جامعة اليرموك
Yarmouk University

كلية الآداب
قسم علم الاجتماع والخدمة الاجتماعية

رسالة ماجستير بعنوان

التنمية المستدامة في البادية الأردنية

(دراسة مطبقة على منطقة البادية الشمالية الشرقية في المملكة الأردنية الهاشمية)

Sustainable Development at Jordan Badia

(A Study applied to the Badia region in north – east of the Hashemite Kingdom of Jordan)

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2013/2012

قرار لجنة المناقشة

التنمية المستدامة في البادية الأردني

(دراسة مطبقة على منطقة البادية الشمالية الشرقية في المملكة الأردنية الهاشمية)

إعداد

عبد الله مقبل الشرفات

بكالوريوس علم الاجتماع- جامعة اليرموك 2008

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علم الاجتماع والخدمة الاجتماعية

في جامعة اليرموك، إربد، الأردن

وافق عليها

أ. د فهمي سليم الغزوي .... مشرفاً رئيساً

أستاذ علم الاجتماع الأسري، جامعة اليرموك

أ. د. محمد حسن الحاج إبراهيم .... عضواً

أستاذ علم الاحصاء، جامعة اليرموك

د. منير عبد الله كرادشة .... عضواً

أستاذ علم الاجتماع، جامعة اليرموك

تاريخ مناقشة الرسالة

2013/7/25م

الإهداء

إلى والدي الحبيبين أطال الله في عمرهما

إلى أسرتي الصغيرة زوجتي وأبنائي

إلى أسرتي الكبيرة وبلدي الحبيب

إلى كل من وقعت عيناه هنا

إلى كل محب لوطنه ولعمل الخير لأبناء مجتمعه

إليكم جميعاً أهدي هذا العمل المتواضع

مع التقدير والعرفان

والله الموفق

الباحث

عبد الله الشرفات

الشكر والتقدير

يسعدني أن أتقدم بجزيل الشكر وعظيم الامتنان والعرفان لمشرفي الجليل الأستاذ الدكتور فهمي الغزوي الذي تكرم مشكوراً بالإشراف على هذه الرسالة وكل التقدير له على جهوده المتواصلة وسعيه الدؤوب وعلى ما كرّس من وقت وجهد في متابعة هذه الرسالة فله مني كل الشكر والتقدير والعرفان ما حييت...

كما أتوجه بالشكر الجزيل لأعضاء لجنة المناقشة الكرام على تفضلهم بالمشاركة في تقييم هذا العمل للاستفادة من آرائهم وملاحظاتهم التي ستدعم القيمة العلمية لهذا العمل المتواضع....

ولا يفوتني أن أتقدم بالشكر الجزيل والعرفان إلى أساتذتي في قسم علم الاجتماع...

والشكر الخالص للسادة رؤساء الجمعيات التعاونية والخيرية في البادية الشمالية الشرقية وإلى كل العاملين بالمؤسسات الحكومية والأهلية على تعاونهم ودعمهم لهذا العمل ولا يفوتني أن أخص بالشكر الجزيل كل من السادة فايز حبابية رئيس قسم المشاريع في الصندوق الأردني الهاشمي للتنمية البشرية والمهندس يعرب القضاة مؤسسة نور الحسين والمستشار حمود الصريخي مركز تعزيز الإنتاجية حمد الشرفات المساعد الفني في مركز بحث وتطوير البادية الأردنية والمهندس محمد العضايلة مدير مديرية برامج التنمية المحلية وتعزيز الإنتاجية وزارة التخطيط والتعاون الدولي محسن الشرفات المساعد الإداري في مركز بحث وتطوير البادية الأردنية وعبد المجيد الشرفات والباحث سري شواش الصندوق الهاشمي لتنمية البادية الأردنية...

والشكر موصولاً للسادة أصحاب المشاريع التنموية في البادية الشمالية الشرقية والجهات الداعمة والممولة للمشاريع على تعاونهم....

كما لا يفوتني أن أتقدم بالشكر الجزيل إلى الدكتور عبد المجيد الحراحشة مدير وحدة التنمية في محافظة المفرق..

كما أتوجه بالشكر إلى كل من ساعدني وكل من ساهم في هذا العمل...

الباحث

قائمة المحتويات

الموضوع	رقم الصفحة

الفصل الثاني – الإطار النظري والدراسات السابقة

الفصل الثالث– الإجراءات المنهجية للدراسة

الفصل الرابع

قائمة الجداول

قائمة الملاحق

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Ǒƺ5 ǙƞƸƥǊŰƒ ǏǁƵ ƞǆǀƥƵƞƓƸǍ ǈƼǁƳƸ!ƒ ǀƞƨƸǀƞƸ!ƒ Ǒ5 ǈƼ5ƞǁƛ!ƒǍ ǈƼƵƞƸǀƞŰƒǍ ǈƼƥƞƬǀǒŰƒ ƴƒǍƳŰƒ

.(61 ƒ Ü2002 ÜǀƒƧƸƨ!ƒ) ƳƞƱǀƓƸ ƨƥǒ Ǐ ƬǒƸƕ ƞǆƸƥǁǀ Ǒ5 ǈƸǋƞƓƸ!ƒǍ ǈƸŰƒ ǀƞƼƳ

ǀƞƼƞƼǀƒƧǀƺƓƒ ƴǅƺƤ ǇƺƸ ǀƒǍƞƓƸǅ!ƒǍ ǈ!ƞƱƕ!ƒǍ Ƨǁ5!ƒ ǈƞ!ƞƸƸ ǏǁƵ ƨƼǂƧǀ!ƒ ǑǊƨǀ ǑǋǍ

.ƞǆǀƨƕƞǀƸǍ ƞǋǀǆƼ5ǊǀǍ ǈƼƸǊǀ!ƒ ƱƱƤ ƥƒƥǫ Ǒ5 ǈƼƕƨƬ!ƒ ǈǂƧƞƬƸ!ƒǍ ǈƼƓƞƓŰƒ ǀƞƞƞƳ!ƒ

ǀƸǂ ǀƥƥƳƸ ƧƼƼƺǀ ǀƞǁƸƵ ǇǅƤ ǇƸ ǈƼƵƞƸǀƞƒǍ ǈƼƥƞƬǀǒƒ ƨƒƥǋǄ ƾǁƳǀ! ǈ!ǍƞƳƸ ƞǆǇǄ ƞƸǂ

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ǈƸƒƥǀƓƸ!ƒ ǈƼƞƞǀǆŰƒǍ ǈƼǂƞǆǀƓŰƒ ƱƞƸǇŰƒ ǈƼƧƒƧƸǀƓƒ Ǐ!ǫ ǍƵƥǀ ǈƸƒƥǀƓŰƒ ǇƸ5 ǁ!ǫ ǏǁƵǍ

.ǈǁƸƞƬ!ƒ ǈƸƒƥǀƓƸ!ƒ ǈƼƸǊǀ!ƒ ǄƼǋƞ5ƸƸ! ǑǁǁǁƳ ƾƼƕƱǀ! ƴƞƸƸ ƞ5 ǀƒƧǍƱǀ! ǇǫǋƞǋǄƾǁƳǀ ǇǍƥƕǍ

ǇǫƺǋƞƸ ƴǂƬƺǀ ǇǄ ƴƞǄ ǇƸƸ ǈƼƧǍƧƯ ǀƳƕƬǄ ǈƸƒƥǀƓƸ!ƒ ǈƼƸǊǀǁ! ǀƒƧƬƥƸ ƴƯǍ ǇƸ5 ǁ!ǫ!

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ƴƺǍǍǀ ǏƼ ǇǍƥƼƓǀƓƺƸ!ƒ ǀƞƺƵƞƸǆ ǍƳǆ ǆǆǆǍƸǍ ƧƒƧ!ƒ ǫƞƤǀƒ ǾƥƞǇƕ ǄƒƥƤǀƓƾ! ǈƼǁǇƞƥ ƧƛǂǄ ƨƼƬ

Ü2001 ÜǀƥƳǀƸ!ƒ ǄƸƸŰƒ) ǄƒƥƤǀƓƾ! ǈǁǇƞƥ ǀƞƸǍǁƧƸ Ǐ!ǫ ǈƼƥƞƬǀǒŰƒǍ ǈƼƵƞƸǀƞŰƒǍ ǈƼƸǁƨ!ƒ ǀƞƸƼƼǁǀ!ƒ

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ǈƺƼƸǊǀ!ƒ ǈƺǊƞ! ƞǆǀƥƥƺƳ Ǒǀ!ƒ ǈƓƼƒƧ!ƒ ƞƼƞƴǁ!ƒ ƴǍƳ ǈƸƒƥǀƓƸ!ƒ ǈƼƸǊǀ!ƒ ǀƒƧƬƥƸ ƧǍƳƸǀǀǍ

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Ü ǁ ƞǆǀƺƓŰƒǍ ǙƞƺǀǊŰƒ ƱƞƺƸǊǇ ÜǑƵƞƸǀƞŰƒ ƳǍǊǀ!ƒ ÜǄƼǁƸƨǀ!ƒ ÜǈƸƞƨ!ƒ ǈƳƬ!ƒ ÜǈƼƵƞƸǀƞŰƒ ǀƒǍƞƓƸ!ƒ

ǄǍǁƸǁ! ǏǁƵŰƒ Ʃǁǆƞ!ƒ) ǈƸƒƥǀƓƸ!ƒ ǈƼƸǊǀǁ! ǈƼƵƞƸǀƞŰƒ ǀƒƧƬƥƸ!ƒǍ ƞƼƞƴǁ!ƒ ÜǇǆǂƓ!ƒ ÜǇƸŰƒ ÜǇǂƓ!ƒ

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Ƒƪùǒ̆ƑƧ!ƒ ƗǒƵǴdžƙƞǕƒ ƘǴdžƥƤ!ƒ ǄǒƥǀƙǍ ǛƥƧƒǍdž!ƒ ƴǒƨǍƙǍ ǛƧǀƼ!ƒ ƗơƼǴǂdžǍ ƗǒƵǴdžƙƞǕƒ Ɨ!ƒƥƶ!Ǵƕ ǄƙnjǒǍ

ǏùǛƵ ƴǍƮùơ!ƒǍ ƧƒƧǀ!ƒ ƦǴƤƙƒ ǑƼ ƔǍƶT!ƒ ƗǂƧǴTdž ƗǒdžNjǅ Ǐ!ǫ ƗƼǴƯǗǴƕ ǛǴnj! LJǒƞǴƙơdž!ƒ ƴǂ Ǐ!ǫ

.(2004ǛǴǒƞǍ!ǍǉǂƙƒǍ ǄǍǛƶǛ! ǏǛƵǕƒ ƩǛƞdž!ƒ).ƗƿƥǍ ƗǒƼǴƼTƕ ǄnjƙǴǒơ ǏǛƵ ƧƛƋƙ Ǒƙ!ƒ ƘǴdžǍǛƶdž!ƒ

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ƾǒǀơƙ Ǐ!ǫ "1992 ǄǴƵ ƯƧǕƒ Ɨdžƿ ƧdžƙƋdž" ƦǉdžǛ ƗǛơdž!ƒǍ ƗǒdžǒǛƿǗƒǍ ƗǒǉƱǍ!ƒ ƗǒdžǉƙǛ!ƒ ƱƱƤ ƦǒƼǉƙǍ

ƗùǒǉƥƧǕƒ ƗùǒdžǉƙǛ!ƒ ƴǒƧǴTdžǍ NjdžƒƧƕ ǑƼ ǴǒƪǒƑƧ ǴƷƥNj ƗdžƒƥƙƪdžǛ!ƒ ƗǒdžǉƙǛ!ƒ ƘơƕƮǅǍ ƗdžƒƥƙƪǕƒ ƏƥǴƕdž

2003 ǄǴùƵ Ɨdžƒƥƙƪdž ƗǒdžǉƙǍơǉ ƗǒǉƥƧǕƒ 21 ǀƥǉƞǕƒ ƧǍƥƮƕ ǉǴƞƙǕƒ ƒƦNj ƨƨƶƙǍ 1993 ǄǴƵ Ʀǉdž

ǄǴùdžƙNjǕƒ ƧƮùƙǀǒ Ǆ!Ǎ ǛǄǴƶ!ƒ ƩƼǉ ǑƼ (1) ǄƿƧ ƗƑƕ!ƒ LJǍǉǴƿ ƧǍƥƮǍ ƗƑƕ!ƒ ǀƧƒƨǍ ƩǒƪƙǍ Ǌ!ƦǂǍ

ƗùǒǛNjǅ ƘǴƪùƪƋdžǍ ƘǴƑǒNj ƴdžTǒ! ǉƒƥƶƙ ƴƕ ƗǒdžƪƧ!ƒ ƘǴƪƪƋdž!ƒǍ ƘǴƑǒnj!ƒ ǏǛƵ Ɨdžƒƥƙƪdž!ƒ ƗǒdžǉƙǛ!Ǵƕ

NjǒǍƧùƙ Ǐù!ǫ ǏƶƪƙǍ Ɨdžƒƥƙƪdž!ƒ ƗǒdžǉƙǛ! ƗǒǉƥƧǕƒ ƗǒƶdžƞǍ :ǴnjdžNjǅ LJdžǍ ƴǴƞdž!ƒ ƒƦNj ǑƼ ƴdžƶƙ ƗǒǉƥƧǅ

ǏùǛƵ ƗùǒǛơdž!ƒ ƘǴùƑƕ!ƒǍ ƘǴùƶdžƙƞdž!ƒ ǑƼ Ɨdžƒƥƙƪdž!ƒ ƗǒdžǉƙǛ!ƒ ƔǒƼǴƪǅǍ ƘǴƪǴǒƪǍ ƏƥǴƕdž ƾǒƕƱƙǍ

Ǒùǂ! ƗǒƶǒƕƱ!ƒ ƥƧƒǍdž!ƒǍ ƘǴƑǒƕ!ƒǍ ƧƥǴƮdž!ƒ ǏǛƵ ƗƯƼǴơdž!ƒ ƴƞǅ LJdžǍ ǑƕƶT!ƒ Ǎǅ ǑdžƪƧ!ƒ ǎǍƙƪdž!ƒ

.(314 - 313 ƒ Ǜ2007 ǛƱǉƨ ǍƕǅǍ ǄǒǉƸ) ǄƑƒƥ ƴǂTƕ ƴƕǀƙƪdž!ƒǍ ƧƯǴơ!ƒ ƘǴƞǴǒƙơƒ Ǒƕǁǁƙ

ǏǛƵ ƗǒǉƥƧǕƒ ƗǒƥǴƕ!ƒ ƗǒdžǉƙǛ! ǑdžTǴnj!ƒ ƾǍƥǉƮ!Ǵƕ ƗǛƙdždž ƗǒǛNjǕƒ ƘǴƪƪƋdž!ƒ ǉƦNj ƘǛdžƵ ƥƿǍ

ǭƥùǒơǍ ǴǒƞǒƙƒƧƙùƪƒ ǴǀdžƵ ƴǂTƙ ƗǒƥǴƕ!ƒ LJǅ ƧǴƕƶƵǴƕ NǒǉƥƧǕƒ ƗǒƥǴƕ!ƒ ǑƼ ƗdžǴNj ƗǒǍdžǉƙ ƴǒƧǴTdž ƦǒƼǉƙ

ƗùǒƥǴƕ!ƒ ƴǂTùƙǍ ǛǏƧǴƯùơǍ ǑǉǴƪǉǫ ƱǴTǉ! ǴơƧƪdž ǑƯǴdž!ƒ ǑƼ ƘǉǴǂ ǴdžǂǛǛƕǀƙƪdžǍ ǭƧƯǴơ

ƘǴùǒǉǴǂdžǕƒǍ ƗǒƶǒƕƱ!ƒ ƥƧƒǍdž!ƒ ǴnjǒƼ ƧƼƒǍƙƙǍ ƗǒdžTǴnj!ƒ ƗǒǉƥƧǕƒ ƗǂǛdždž!ƒ ƗơǴƪdž LJdž %81 Ǒ!ƒǍơ

ƗùǒǍdžǉƙ!ƒ ƱƱƤ!ƒ ƘǴǒƞǒƙƒƧƙƪƒ ƾǒǀơƙ! ƗǒƼǴǂ ǑNjǍ Ǜƨǒǂ!ƒ Ǎǅ Ǆǂ!ƒ ƗǒơǴǉ LJdž ǅƒǍƪ ƗdžnjdžƋ!ƒ ƗǒƧTƕ!ƒ

.ƴƯƼǅǍ ƴdžǂǅ ƴǂTƕ Ǵnj!Ǖƶƙƪƒ ƴǴơ ǑƼ Ǌ!ƦǍ ǴNjƨǴƞǉƒǍ Ɨdžƒƥƙƪdž!ƒ

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(ǀƧùʅǕƒ þƒƧ5ǅ þþƵ Üĭ ƧǌT!ƒ ýƤþ!ƒ ÜǑdžŏǁƶƙ!ƒ ăĂƙʅdž!ƒ ÜΣǉη!ƒ) ǇJdž ýǂĂ ŦŏpƧT!ƒ

Þ(0.05 ≥ α) Ŧ!Ǚþ!ƒ ăĂƙʅdž þǉƵ

Ƙƒþùƒǥƶ!ƒ) Ŧdžƒþƙʅùdž!ƒ Ŧùŏdžǉƙ!ƒ ƘƒþùƑǤƵ ǇJŏŀ ŦŏƑǤƮơǫ Ŧ!Ǚþ Ƙƒƻ ƾĂƧ5 ǁǤǉǋ ýǋ -6

Ŧùŏþǥŀ!ǥŀ (ŦŏþǤƮùƙpǕƒ ƘƒþƑǤƶ!ƒ ÜŦŏdžŏǁƶƙ!ƒ ƘƒþƑǤƶ!ƒ ÜŦŏƵǤdžƙηǕƒ ƘƒþƑǤƶ!ƒ ÜŦŏơƮ!ƒ

þƒƧù5ǅ þþƵĂ Üĭ ƧǌT!ƒ ýƤþ!ƒ ÜǑdžŏǁƶƙ!ƒ ăĂƙʅdž!ƒ ÜΣǉη!ƒ) ǇJdž ýǂĂ ŦŏpƧT!ƒ Ŧŏ!ǤdžT!ƒ

Þ(0.05 ≥ α) Ŧ!Ǚþ!ƒ ăĂƙʅdž þǉƵ (ǀƧʅǕƒ

:ŀƨƐþơǁƐ ƹƐơǉjc

:Ĭ!ǫ Ŧʅƒƨþ!ƒ ƻþǌƙ

:ýǚƤ ǇJdž ŦŏpƧT!ƒ Ŧŏ!ǤdžT!ƒ Ŧŏþǥŀ!ƒ Ǒ5 Ŧdžƒþƙʅdž!ƒ Ŧŏdžǉƙ!ƒ ƴþƒĂ ĬǁƵ ƻƧƶƙ!ƒ

- .ŦŏpƧT!ƒ Ŧŏ!ǤdžT!ƒ Ŧŏþǥŀ!ƒ Ǒ5 Ŧdžƒþƙʅdž!ƒ Ŧŏdžǉƙ!ƒ Ĭ!ǫ Ƙƶ5þ Ǒƙ!ƒ Ƙǥŏþơƙ!ƒ ĬǁƵ ƻƧƶƙ!ƒ
- .ŦŏpƧT!ƒ Ŧŏ!ǤdžT!ƒ Ŧŏþǥŀ!ƒ Ǒ5 Ŧdžƒþƙʅdž!ƒ Ŧŏdžǉƙ!ƒ ýŏƶ5ƙ! ǀƦƤƙdž!ƒ ýƑǤʅĂ!ƒ ĬǁƵ ƻƧƶƙ!ƒ
- Ǒù5 ŦŏpƧTù!ƒ Ŧŏ!ǤdžTù!ƒ Ŧŏþǥŀ!ǥŀ Ŧdžƒþƙʅdž!ƒ Ŧŏdžǉƙ!ƒ ǇJdž ƾǀơƙdž!ƒ þƑǤƶ!ƒ ĬǁƵ ƻƧƶƙ!ƒ .ŦŏþǤƮƙpǕƒĂ ŦŏƵǤdžƙηǕƒĂ Ŧŏdžŏǁƶƙ!ƒĂ ŦŏơƮ!ƒ ƘǕǤηdž!ƒ
- ŦŏpƧTù!ƒ Ŧŏ!ǤdžTù!ƒ Ŧùŏþǥŀ!ǥŀ Ŧdžƒþƙʅùdž!ƒ ƘǌηƒĂ Ǒƙ!ƒ ƘǤpĂƶdž!ƒ ǅǋǅ ĬǁƵ ƻƧƶƙ!ƒ .ŦŏǉþƧǕƒ

ƕɤƐþɋǁɛ ɭƐþĭƸŧĐŽǁ ǎþuƛǁɛ !ǋNJƧĐŽǁɛ

þĂùnjɳ þùŏơĂƙ Ǵùnjƕ ǇÙŧƌŏ Ŏùƙ!ƒ ƘǴŏǁƌƶ!ƒ :ǴnjǇǰƕ ɭþơƙƌ!ƒ ĐƌŬƒ ŧƑŏǋ Ǵnjƙ5ƸƵ :ƕĭĐŽƌŧǁɛ

ŧùŏǁơƌ!ƒ ƘǴƶƌƙɳƌ!ƒ Ŏ5 ŧŏ5Ǵlƛ!ƒĂ ŧŏƵǴƌƙɳŬƒĂ ŧŏþǴƮƙpŬƒ ýƒĂơŬƒ ǇŏƪơƘ! ŧƌĂŧơ!ƒĂ ǇŏǰƱƒĂƌ!ƒ

ŧùŏƌǰƙ!ƒĂ ÜYǴƱƙƪùƌ Ƨþp ĬƮpƌƕ ǴnjƌþIƙ Ŏ5 ŧƌǋǴƪƌ!ƒĂ ŧƌŬƒ ɭǴŏơ Ŏ5 ɰǴƌþǰŬƒ ĬǁƵ ǴnjƙþƵǴƪƌĂ

.(64 - 61 ƒ Ü2002 ÜƘƒƧƌƶ!ƒ) ǴŏƼŏŧĂ Ǵŏƌŧ ŎƵǴƌƙɳŬƒ Ƨŏŏʓƙ!ƒ ŧƒþơƍ Ŏǰƶƙ

:Ŏǋ ÜŧŏƌǰƙǁƗ! ƘǴƼŏƧƶƙ ɭþƵ 2011 ÜŎÜƼơ þƧĂŏĂ

ŧùŏƌǰƙ ŧùŏǁƌƵ Ŏù5 ĐǋǴƪùŏ ĭƦ!ƒ ĭƧTƕ!ƒ ƧƮǰƶ!ƒ ǰƧǴƕƙƵǴƕ ǇǴƪǰŰƒ ĬǁƵ ƨŧƧƙ ŧŏƌǰƙ!ƒ

ƴùƌƙɳƌ!ƒ þƒƧ5Đ ƴŏƌɳ! ŧŏþǴƮƙpŬƒĂ ŧŏƵǴƌƙɳŬƒ ŧŏǋǴ5Ƨ!ƒ ƾŏlơƙ ƻþnjƙƪƙ ŧŏǁƌƵ ŧŏƌǰƙ!ƒĂ Üƴƌƙɳƌ!ƒ

Ŏù5 ŧơǴƙƌ!ƒ þƧƒĂƌ!ƒĂ ƘǴpǴƱ!ƒ ŧ5Ǵŧ ýűʓƙƪƒ Ĭ!ƍ ŧŏƌǰƙ!ƒ ƻþnjƙ Ǵƌŧ .ǎƧƤĐ ǇĂþ ŧơŏƧT! Ʃŏ!Ă

.ƴƌƙɳƌ!ƒ

þƒƧù5Đ ƴùŏƌɳ ĐǋǴƪùŏ ǇĐ ɭƧĂƧùư ƒƦǋ Ŏǰƶŏ ŧŏƕƶT!ƒ ŧŧƧǴTƌ!ƒ ĬǁƵ ŧŏƌǰƙ!ƒ þƌƙƶƙĂ

ƻþùnjƙĂ ÜǴnjǁơƒƧƌ ƧƤƈ Ĭƙơ ŧŏƌǰƙǁ! ƱŏƱƤƙ! Ǉƌ ǴƒþƙƕƒŧŏƌǰƙƒýơƒƧƌýŧŎ5ƴƌƙɳƌ!ƒ ǴǴưƵĐĂ

ƘŭŧTƌ!ƒ ŧnjɳƒĂƌ ĬǁƵ ĐnjƙƒƧþp ŧŏƌǰƙĂ ĐnjnjŏɳĂƙĂ þƒƧ5Ŭƒ ŎƵĂ ŧŏƌǰƙ Ĭ!ƍ ŧŏƌǰƙ!ƒ

ŧŧƧǴTùƌ!ƒĂ þŏơĂƙ!ƒ ýűƤ Ǉƌ ƴƌƙɳƌ!ƒ Ŏ5 ŧþơŏ ǴYƒĂ Ƨŏŏʓƙ ŧŏǁƌƵ ǴnjǇǰƕ ǵưŏĐ Ǵnj5ƧƶŏĂ

ƾùŏlơƙĂ ŧù5Ǵŧ ƴƌƙɳƌ!ƒ Ŏ5 ŧơǴƙƌ!ƒ þƧƒĂƌ!ƒ Ǉƌ ɭþǴ5ƙƪŬƒ ƻþnjƕ ŧƌĂŧơ!ƒĂ ǇŏǰƱƒĂƌ!ƒ þĂnjɳ Ǉŏƕ

.(33-32 Ü2011 ÜŎÜƼơ) ŧƌĂƪƧƌ ŧƱƤ ƾ5Ă ǁ!Ʀ ĐƙŏĂ ŧŏþǴƮƙpŬƒĂ ŧŏƵǴƌƙɳŬƒ ŧŏǋǴ5Ƨ!ƒ

ĬùǁƵ ŧù!Ŭþǁ! ơǁƱƮùƌ!ƒ ƒƦǋ ýƌƶƙƪŏĂ ŧŏɳǴƙǰŰƒ Ƙƒƨþl!ƒĂ þƧƒĂƌ!ƒ ɭþǴŏƨ Ŏǋ ŧŏƌǰƙ!ƒĂ

ŧŏƧTùƕ!ƒ ŧŏƌǰƙ!ƒĂ ŧŏƵǴƌƙɳŬƒ ŧŏƌǰƙ!ƒĂ ŧŏþǴƮƙpŬƒ ŧŏƌǰƙ!ƒ ýƛƌ ŧŏƧTƕ!ƒ ŧƱTǰŬƒ Ǉƌ ŧ5ǁƙƤƌ ƱǴƌǰĐ

.(3 ƒ Ü2010ÜŎl5!ƒ)

[illegible]

[illegible]

[illegible]

[illegible] .(33 [illegible] 2011 [illegible])

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] .(104 [illegible] 103 [illegible] 2006 [illegible])

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

.(7 2008 [illegible])

ǀƧþùp Ŏù5 ƨƛƋùŏ LJD LJĂþ Ƨù ưƓơ!ƒ ƘƓƞƓŏƙơƒ Ŏǁǁƙ Ŏƙ!ƒ Ɨŏǆǉƙ!ƒ ŎǊ Ɨǆƒþƙǀǆ!ƒ Ɨŏǆǉƙ!ƒ

Ɨùŏƒǁ!ƒ þƧƒĂùǆ!ƒ ƧƓǆƛƙǀƒ Ĭ!ǥ ƻþǌƙ Ŏƙ!ƒ ýƓǆƸǕƒ :ŎǊ ĂD ǊƙƓƞƓŏƙơƒ Ɨŏǁǁƙ ĬǁƸ Ɨǁǀǆ!ƒ ýƓŏƞǕƒ

Ǌ5ƒƨǉƙǀƒ LJǆ ǕþǁǊƧĂƱŏĂ ƗŏƶŏǁƱ!ƒ þƧƒĂǆ!ƒ LJĂƮŏĂ ƚĂǁƙ!ƒ LJǆ þơǁĂ Ɨŏǆǉƙ!ƒ ƭǀơŏ ĭƦ!ƒ ƧþǀƓǁ

.(3 Ü2010 ÜŎǀ5!ƒ) ǊŏǁƸ ǀƧƱŏǀ!ƒ Ɨ!ĂƓơǆĂ

ƗùƞƓơ Ŏùǁǁƙ Ŏùƙ!ƒ ŎǊ ǀƧǆƙǀǆ!ƒ ĂD ƗƱǀĂƙǆ!ƒ ĂD ƗǁǆƓƬ!ƒ Ɨŏǆǉƙ!ƒ ĂD Ɨǆƒþƙǀǆ!ƒ Ɨŏǆǉƙ!ƒ

Ŏù5 þǆƙƶƙ ŎǊĂ ǄǊƙƓƞƓŏƙơƒ Ɨŏǁǁƙ Ŏ5 Ɨǁǀǆ!ƒ ýƓŏƞǕƒ ǀƧþp ĬǁƸ ƗǆĂƓǀǆ!ƒ LJĂþ ǀƧưƓơ!ƒ ýƓŏƞǕƒ

ýƓùŏƞǕƒ ýǂ! ǁǆ ŎǊ5 ÜǊŏǁƸ ƗƱ5ƓơǆƒĂ þƧƒĂǆ!ƒ Ɨŏǆǉƙ Ŏ5 ăþǆ!ƒ ƗǁŏĂƱ ƘƓŏƞŏƙƒƧƙǀƒ ĬǁƸ ǁ!Ʀ

ÜƩǁƸþ) Ǌ! ƗǉƓŏƮĂ ǊŏǁƸ ǴƱƓ5ơ ƻƒƨǉƙǀǕƒ ĂD ƧƒþǊǕƒ þơ LJĂþ Ǌǁ ƳƓ5ƙǉǕƒ ƭơ Ǌ!Ă ƗǁpƓƶƙǆ!ƒ

.(295 Ü2005

ƧƓùǁƙƸǕƒ LJŏùƶǁ ƦƤǕƒ ƴǆ ƗơƓƙǆ!ƒ þƧƒĂǆ!ƒ LJǆ ǀþƓ5ƙǀǕƒ ŎǊ :Ɨǆƒþƙǀǆ!ƒ Ɨŏ5ŏƧ!ƒ Ɨŏǆǉƙ!ƒ

ŎơƒĂǉ ƴŏǆƞ Ŏ5 ŎƸƓǉƮ!ƒĂ ŎƸƓǆƙƞǕƒĂ ŎǆǁƶƸ!ƒ ƧĂƱƙ!ƒĂ ǄþǀƙƸ!ƒ ŎǊ ĂD Ɨǆþƈ!ƒ ýƓŏƞǕƒ ƘƓƞƓŏƙơƒ

ƧƓǆþù!ƒĂ ƚĂùǁƙ!ƒ ƧƱƓùƤǆ! ƗùƒŏǁƸ Ưŏƨƙ LJĂþĂ ƗŏƧƒƧǆƙǀǕƒ ĬǁƸ ƲƓ5ơ!ƒ ƴǆ Ɨ5ǁƙƤǆ!ƒ ǀƓŏơ!ƒ

.(7 Ü2008 ÜǆƓǀ!ƒ) ǁǖǊ!ƒĂ

LJD LJĂþ Ƨưƒơ!ƒ ƘƓƞƓơ Ɨŏǁǁƙ ǋƞĂǆǁ Ǆƙŏ ŎpƧ!ƒĂ Ǆþǀƙ!ƒ LJǆ ƱǆǉŎǊ :Ɨǆƒþƙǀǆ!ƒ Ɨŏǆǉƙ!ƒ

ÜǆƓǀù!ƒ) ƗŏùǀƓǀǕƒ ǊƙƓƞƓơ Ɨŏǁǁƙ LJƸ ǊƙƧþp ƻƶưŏ ĂD Ɨǆþƈ!ƒ ýƓŏƞǕƒ ƔƓǀơ ĬǁƸ ǁ!Ʀ LJĂǂŏ

.(7 Ü2008

Ĭ ǆƑǩǁǁɛ üƬƻǁǁɛ

ƕƾƓƑƨǁǁɛ ƖƑƨƐƥƍǁǁƐǋ ăƥưǆǁǁɛ ƥƑƯǕɛ

* ƕƊǅɛƍƗƨǄǁǁɛ ƕǐǅǅǆƗǁǁɛ

ƫ ǝƑƬƍ* ƕƊǅɛƍƗƨǄǁǁɛ ƕǐǅǅǆƗǁǁɛ

* ƹɛƍǉƈ ƕƊǅɛƍƗƨǄǁǁɛ ƕǐǅǅǆƗǁǁɛ

* ƧƑǐƼ ƖƐƥƪǅǄ ƕƊǅɛƍƗƨǄǁǁɛ ƕǐƥƪƓǁǁɛ ƕǐǅǅǆƗǁǁɛ

* ƖƑǐƜǐƗƐƥƗƨɛ ƕƊǅɛƍƗƨǄǁǁɛ ƕǐǅǅǆƗǁǁɛ

* ǄǆƍƥǓɛ Ĭƺ ƕƊǅɛƍƗƨǄǁǁɛ ƕǐǅǅǆƗǂǁ ƕǐƍǐƥƑƗǁǁɛ ƕǐƻƗƍǁǁɛ

* ƕƊǅɛƍƗƨǄǁǁɛ ƕǐǅǅǆƗǁƑƓ ƕƾƗƴƗǄǁǁɛ ƖƑǐƥưǆǁǁɛ

ƕƾƓƑƨǁǁɛ ƖƑƨƐƥƍǁǁɛ*

* ƕǐƗƟǄǁǁɛ ƖƑƨƐƥƍǁǁɛ

* ƕǐƓƥƴǁǁɛ ƖƑƨƐƥƍǁǁɛ

* ƕǐƓǆƜǓɛ ƖƑƨƐƥƍǁǁɛ

* ƕƾƓƑƨǁǁɛ ƖƑƨƐƥƍǁǁɛ ĂƗƳ ƒǐƾƴƗǁǁɛ

﴿ وَإِن مِّن شَيۡءٍ إِلَّا عِندَنَا خَزَآئِنُهُۥ وَمَا نُنَزِّلُهُۥٓ إِلَّا بِقَدَرٖ مَّعۡلُومٖ ٢١ ﴾

﴿ وَلَا تُفۡسِدُواْ فِي ٱلۡأَرۡضِ بَعۡدَ إِصۡلَٰحِهَا ﴾

﴿ وَٱلَّذِينَ إِذَآ أَنفَقُواْ لَمۡ يُسۡرِفُواْ وَلَمۡ يَقۡتُرُواْ وَكَانَ بَيۡنَ ذَٰلِكَ قَوَامٗا ٦٧ ﴾

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] ﴿وَهُوَ ٱلَّذِىٓ أَنشَأَ جَنَّٰتٍ مَّعۡرُوشَٰتٍ وَغَيۡرَ مَعۡرُوشَٰتٍ وَٱلنَّخۡلَ وَٱلزَّرۡعَ مُخۡتَلِفًا أُكُلُهُۥ وَٱلزَّيۡتُونَ وَٱلرُّمَّانَ مُتَشَٰبِهًا وَغَيۡرَ مُتَشَٰبِهٍۚ كُلُواْ مِن ثَمَرِهِۦٓ إِذَآ أَثۡمَرَ وَءَاتُواْ حَقَّهُۥ يَوۡمَ حَصَادِهِۦۖ وَلَا تُسۡرِفُوٓاْۚ إِنَّهُۥ لَا يُحِبُّ ٱلۡمُسۡرِفِينَ ١٤١﴾ [illegible].

[illegible]

[illegible]

[illegible] ﴿وَتَعَاوَنُواْ عَلَى ٱلۡبِرِّ وَٱلتَّقۡوَىٰۖ وَلَا تَعَاوَنُواْ عَلَى ٱلۡإِثۡمِ وَٱلۡعُدۡوَٰنِ﴾ [illegible].

[illegible]

[illegible]

[illegible]

[illegible] ﴿كُلُواْ مِن ثَمَرِهِۦٓ إِذَآ أَثۡمَرَ وَءَاتُواْ حَقَّهُۥ يَوۡمَ حَصَادِهِۦ﴾ [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] 2005 [illegible]

[illegible] 2006 [illegible]

.(102

[illegible]

.(197 [illegible] 2000 [illegible]

[illegible]

• [illegible]

[illegible] (Sustainable Culture) [illegible] Sustainable)

(Cummunities [illegible]

[illegible]

lþùdžĂ ÜŁŏdžLjķ!ƒ YĂLjĂ ÜŁŏdžLjķ!ƒ Džŋơ ÜŁŏdžLjķ!ƒ LJǤǂdž :ŁƶhƧD Łʅŏ̈ƒƧ þǤƶhD ŁdžƒþķʅdžǃƒŁŏdžLjķǃ!Ă

.Łŏdžljķ!ƒ

þƑǤʅù!ƒ ŎŋĂù!ĂLjǂķ!ƒ ăĂķʅùdž!ƒĂ DžƑǤǀ!ƒ ĭþǤƮķpǕƒ ƴư Ă!ƒ :Ǥnjljdž ƻĂƧƱh Łŏdžljķ!ƒ ƧƛdķķĂ

ŁùƑŏh!ƒĂ ƴùdžķŋdž!ƒ Ŏ5 ŁŏƧǂɜ!ƒ ŁpǤƱ!ƒĂ lþƑǤʅ!ƒ þŏ!ǤǀķǃƒĂ ƘƒþǤƶ!ƒĂ Džŏǀ!ƒĂ ƴdžķŋdž!ƒ DžŏƱLjķĂ Ɣŏǂ ƧķĂ

.ŁŏʅǤŏʅ!ƒ

ÜƧĂdžùʅ ĂhD ÜŎķŏnj!ƒ) Ŏǃŏ Ǥdžǂ ŁǃdžǤǂķdž!ƒ Łŏdžljķ!ƒ DžĂnjɜdž! ŁŏʅǤʅǕƒ ƧƮǤljƶ!ƒ ƒŏƤǃķ LJǂdžŏ

:(197 Ü2000

- lþǤŏƨ ƜǤķljǕƒ ŎƵƒƧƨ!ƒ ŁdžǤpǫĂ ŁdžƋʅʅǤƘ!ƒ ŁdžƨǘƱ!ƒ ŁŏƧĂƧư!ƒ ǁ!Ɽ! .

- lþǤŏƨ Ƨ5 ƒ ƴdžƶ!ƒ lƧ5ƒĂķdž!ƒ !ʅǂǤLJ ƧŏƧ!ƻ ʅĂƒǤǤ Ŏ5 ŁƵƒƧƨ!ƒ ĂD Ʈ!ǤljƵŁ ŁùŏƵƒƧƨ!ƒ

ĂD ƮǤljǤƵƘ!ƒ Łǃdžơǃŏ!ƒ ŁĂþŏ!ƒĂ ŁǃŏþŏǀƘ!ƒ.

- ķơǀŏƫ ƶdždž þŏƨdž LJdž Ƕ!þƤ!ƒ ƴǤĂķ Ŏ5 ƟǤƱ LJƵ ƧƱ ŏƫ ŋƧǤƒ ƧķǤƒķǤǃ!ƒ ƦǤǃǂŏǃ Ʈ!ǤǤƠ

ƹǤljǃ ǂʅƮ LJŏʅƠ Ǥdžh ƒƧǀƒ!ƒ ǂ!Ɽ Ŏ5 ķơʅŏLJ ǤƱǤdž ƶǃǂŏǂ ǕǕƧƯ !ƒĂ5ŏƧ ƒơĂ5ƒƨ ƒĂùƬƶĂƧ

.ǤhǕǕdžLJĂƒǕƱǤdžLJǤljǤ

- ǤdžƮǤƧǂŁ ƒƵǤƶ!Ł !ǤdžƶƱ!Ž ŏʅ ǤLJǂ Ƨŏ!ƻ hdžLJ5ŏnjDž ƒ!ǤljʅǤƇ ƒ!TǤhƔ Ŏ5 ƒķƘùǤ ƧŏƧĂ!ùƧƒƘ

. ǤljƮǤƱǤķnjDž

- ķơʅŏLJ ƒƟþdžǤƘ Ŏ5 pƱǤƵǤƘ ƒ!ƮơŁ ƒķǃŏŏdžƂ ƒǕljùǤƧl ƒ!ƱùƧƨ ƧƶǤŏùŁ ƒ!ƱɜùÝ

.ƒǕŏƮǤþ ƒ!ljdžƶ!Ŏ ƒ!hŏƑŁ

ƕDŽƐơƗƨDžǁƐ ƕǐDžǎƗǁƐ ţ ƟƑƬƠ

ƧƮùǉƶ!ƒĂ ƗǒơǴǉ LJdž ǑƶǒƕƱ!ƒĂ ǐƧƬƕ!ƒ ƧƮǉƶ!ƒ LJǒƕ ƽƃĂƙ ǴnjǉǰƕƗdžƒƥƙƪdž!ƒ ƗǒdžǉƙƘƒ ƨǴƙdžƙ

.ăƧƤƊ ƗǒơǴǉ LJdž ǐƥǴƮƙƿŮƒĂ ǑƵǴdžƙƞŮƒ

Ĭù!ǫ ǐƥƌǒ ǐƦ!ƒ ǐƥǴƮƙƿŮƒ ƱǴƬǉ!ƒ ǁ!Ʀ ǑǋƗdžƒƥƙƪdž!ƒ ƗǒdžǉƙƘƒ LJǫ :ýĂǀ!ƒ LJǂdžǒ ǴǉǋLJdžĂ

ƗùǒǋǴƼƧ!ǴƕǴǴùǀƙƧŮƒ Ĭù!ǫ ǐƥƌùǒ ǐƦù!ƒ ƒ ƧơƘ LJdž Ƨƥƿ ƧƕǂƌƕƗǒƵǴdžƙƞŮƒ ƗǒǋǴƼƧ!ǴƕǴǀƙƧŮƒ

ƧƒƧ ưǕƒ LJdž LJǂdždž Ƨƥƿ ýƿƌƕĂ ƗơǴƙdž!ƒ ƗǒƶǒƕƱ!ƒ ƥƧƒĂdž!ƒ ĬǁƵ ƒ ƧơƘ LJdž Ƨƥƿ ƧƕǂƌƕƗǒƵǴdžƙƞŮƒ

.(2009 ŮƗǉǒdžƪǴǒ) ƗƑǒƕ!ƒ Ĭ!ǫ ǀǴǴƪŰƒĂ

LJƊ ǴùǉǉǂdžǒƗdžƒƥƙƪdž!ƒ Ɨǒdžǉƙǁ! ƗƼǁƙƤdž!ƒ ƘƒƧǒƪƼƙ!ƒĂ ƘǴƼǒƧƶƙǁ! ƗǂƧƙƬdž!ƒ ƧǒǒǴƶdž!ƒ ýǖƤ LJdž

:(28 -25 ƒ Ů2007 ŮƱǉƨ ĂƕƊĂ DžǒǉƸ) ƗǒdžǉƙǁƗƪǒƑƧ ƒ ƑǴƮƤ ýƕƧƊ ĬǁƵ ƻƧƶƙǉ

ƒƦùǋĂ .ƧùƤŮ ýǒƞ LJdž ýǒĂơƙ ƗǒǁdžƵ ǴnjǉƊ ǐƊ ƗǒǁǒƞǀƧǋǴƱ ýƛdžƙ Ɨdžƒƥƙƪdž!ƒ ƗǒdžǉƙƘƒ :ŰǋǴ

LJùdžĂ LJǒǁǒƞLJƵ ýǀƙŮ ƗǒǉdžƨǀƧƙƼƧƕƵ Ɨƥơƙ LJƊ ƥƕŰ Ɨdžƒƥƙƪdž!ƒ ƗǒdžǉƙƘƒ LJƊ Ǒǉƶǒ

.Ɨǉƪ 50 Ĭ!ǫ 25 LJǒƕ ƟĂƒƧƙƙ ƗdžƒƥƙƪdžƗǒdžǉƙǁ! ǑƼǴǂ!ƒ LJdžƨ!ƒ LJƎƼ DžƛƊ

.(ǑǁơdžǴ ŮǑdžǒǁƥǫ ŮǑdž!ǴƵ) ƗƙĂǴƼƙdž ǀƥƵ ƘǴǒĂƙƪdž Ǒƽ Ɨ ƥơƙ ƗǒǁdžƵ Ǵnjǉǫ :ƑǐdžƑƙ

:ýùƿŮƒ Ĭù!Ƶ ƘŮǴùƞdž ƗùƛǖƛLJdž ƗdžƒƥƙƪdžƗǒdžǉƙƘƒ LJĂǂƙƙ Ɨ ǒơ ƘŮǴƞdž!ƒ ƥƥƶƙ :ƑƙǁƑƙ

.(ƗǒƼǴǀƛĂ ŮƗǒƵǴdžƙƞƒĂ ŮƗǒƑǒƕĂ ŮƗǒƥǴƮƙƿƒ)

ƗùǀǒƧƱƕ ƘǴƶdžƙƞdž!ƒĂ ƩǴǉ!ƒ ƧĂƱƙ ĬǁƵ ƧǒƛƌƙƘ!ƒ Ĭ!ǫ ƻƥnjƙ ƗdžƒƥƙƪdžƗǒƵǴdžƙƞŮƒ ƗǒdžǉƙƘƒĂ

.ƗơƮ!ƒĂ ƗƬǒƶdž!ƒ ƻĂƧƠ LJǒƪơƙĂ Ɨ!ƒƥƶ!ƒ ƽǒǀơƙ Ǵnj!ǖƤ LJdž LJdžưƙ

[illegible]

[illegible] (2009 [illegible])

-1 [illegible]

-2 [illegible]

-3 [illegible]

-4 [illegible]

[illegible]

[illegible] .(47 ،2009 [illegible])

[illegible]

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[illegible] 1996 [illegible]

:[illegible] (2009 [illegible])

1- [illegible] 1990 [illegible] 2015.

2- [illegible] 2015.

3- [illegible] 2015.

4- [illegible] 1990 [illegible] 2015.

5- [illegible] 1990 [illegible] 2015.

6- [illegible] 2015.

7- [illegible] 2015 [illegible]

[illegible] 2015.

[illegible]

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- [illegible]

- [illegible]

- [illegible] (2009 [illegible]).

[illegible] 2000 [illegible] 2015 [illegible] 1990 [illegible] 2015 [illegible].

:ĬNǅ hűĭdžFDŽkǁǁ Ƹ ƐơǀǉŰƐ ƑDŽƈ

ƧǒĂùƱƙĂ ÜƴǕǒdžȠǁ! ǑƒfƥùƙhŰf DžǒǁƶƙǃLJǒdžǆƙĂ ÜYĂȠ!f ĬǁƵĂ ÜƴƥƥdžǃƧǀ5!f ĬǁƵ ƇƠư ǀ!f

.DžǓD ƚơƮ LJǒƪơƙĂ ÜƴưƧ!f ƘĜǒ5Ă ƯǒƼƤƙĂ ÜƇƠƪǉǃƚǒǃűǀƙƪfĂ ÜLJǒƪǉȠ!f LJǒƕ ǀfĂƠƪdž!f

ƇĜTùǉǫĂ ƚùǒƑǒƕǃƥƧfĂùdž!f ƚdžfƥƙƪf LJǒdžǆƙĂ ÜfƥǒƪƖ ƚƵƓǉdž!f LJfƥǀ5 ƩĂƧǒ5 ƚơ5Ɠƚdž ǁ!Ʀƚ

.(2007 ÜLJĂưǒƕ ÜƔǒƕ!) ƚǒdžǉƙ!f ýȠ LJdž ƚƚfƧT!f

hƕDŽƐơƚƨDŽǁƐ hűƥƪƓǁƐ hűĭDŽdžƚǁƐ Ƨ Ƒǐ5 ǀƐƥƪDDŽ

Indicaterur du Development) ƚǒƧTùƕ!f ƚùǒdžǉƙ!f ýùǒ!ƥ ǀƥơƙdž!f DždžŰf Ƙƶ ưĂ

DžǒùǁƶƙǃfĂ ƚơƮùǃf Ǒ5 ýƛdžƙƙ ƘĜǉĂƚdž ƚűƛ LJdž LJĂƚƙǒĂ ƚǒƧTƕ!f ƚǒdžǉƙ!f ƩĜǒǀ! (Human , IDH

.ýƤƥ!fĂ

.ǑơƮ!f ăĂƙƪdž!fĂ ǀƥŰĂ!f ƥǉƵ ǀĜǒơ!f ýȠD LJdž ƓǌǉƵ ƧǁƶǒĂ :hƟTǁƐ -1

Ǒù5 ǑùƪƧƥdž!f ƥùǒǀ!f ýƥƶdžĂ ýĂǌƚ!f ƻĂ5Ʈ Ǒ5 ƚǒdžŰf ƴ5Ƨ ýƥƶdž ǋDžƛdžƙĂ :!ĭƚƴƚǁƐ -2

.Ǒ!Ɠƶ!fĂ ĭĂǉƓƛ!fĂ ǑƒfƥƙhŰf ƚűƛ!f ƚǒdžǒǁƶƙ!f ýơfƧdž!f

ǀƧƥùǀ!f Ʉ5Ɠùƚƙ ƔƓƪùơƕ ƥơfĂ!f ƥƧ5ǁ! DžƓƤ!f ýƤfƥ!f LJdž ǋƙƓǉ!f ǋDžƛdžǒĂ :!ĭƥǁǁƐ Ʃĭƴǁƙ -3

Ɠùdž ƥùǁƕ Ǒ5 ƚdžƨű!f ƚǒƥǀǉ!f ƘfƥơĂ!f ƥƥƵ ĂǌĂ (Paritedes pouroirs) ƚǒƑfƧT!f

LJùdž ƥơfĂ ƪƧŰĂƥ ƓǌƑfƧTƕ ƠdžƪǒƓdž ýƥƓƶƙ ƚǒǁơdž!f ƽĂƪ!f LJdž ƚdžƥƤ ĂD ƚƶǁƪ ƇfƧT!

.(261 f Ü2007 ÜƱǉƨ ĂhDĂ DžǒǉƸ) ǑƚǒƧdžŰf ƽĂƪ!f

ƨƓùȠǉŰfĂ DžƥǀƙǃăƥdžƩĜǒǀ! ƚ!ƥŰf ĂD ƘűdžƓƶdž!fĂ ƘfƧTƋdž!f DžfƥƤƙƪf ĬǁƵ ǀƥƓƶ!f ƘƧȠ

ƚùǉǒƶdž ƚ!ƓơĂD ƴưĂ ǀƨȠĂdž ƚƕdžƚ ǀƧĂƮƕ ƻƮƙ ǀfƥD ĂǌƧTƋdž!fĂ ƚǒdžǉƙ!f ýƓȠdž Ǒ5 ƽǀơƙ ĭƦ!f

ǀƧƓƙƤdž!f ƘfƧTƋdž!f LJdž ƥƥƶ! ǑƶǒdžȠƙ ĂD ǑhǒƚƧƙ ƩĜǒǀdž LJƵ ǀƧƓhƵ ǑǌƓ5 ƚ!ƥŰf ĂD ƘűdžƓƶdž!f ƓdžD

:(252 -251 ... 2007 ...) :...

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[illegible]

.(87 ،2011 [illegible])

- [illegible]
- [illegible]
- [illegible]

.(2006

[illegible]

[illegible]

[illegible]

ÜþĂùdžơdž) ŀŏƧǂĿùƶ!ƒ ŀŏdžĂǂơ!ƒ ƻƑǴƯĂ!ƒ Ŏ5 ýdžƶ!ƒ ǴƒƦƞ ĭƧnjƬ!ƒ ƔƙƒƧ!ƒ ĬǁƵ þdžƙƶdž!ƒ ǊƯƙǇdž!ƒ

.(11 f Ü2011

ƳĂǇ!ƒĂ Ǌǂ!ƒ ŀŏơ ǇǇdž ŀdžnjdžĂ ǉþƵƒĂ ŀŏƶŏƕƱ ƧþǴƮdžĂ ŀŏƧƬƕ ƘǴpǴƱ ĬǁƵ ŀŏþǴƕ!ƒ ĭĂƙơƙĂ

ŀùŏƶŏƕƱ ƘƒĂƧƛ ŀŏþǴƕ!ƒ Ŏ5 þƞĂŏ ŀŏơ ŀdžƒþƙĿdž!ƒĂ ŀƛþơƙĿdž!ƒ ŀŏdžǇƙ!ƒ ŀŏǁdžƵ ƘǴƕǁƱƙdž ŀŏƕǁƙ! ŀŏ5ǴǂĂ

Ŏùƴ ƒƧŰƒĂ ŀùŏ5Ăƞ!ƒ ǉǴŏdž!ƒ Ưƒ ĂơƉĂ ŀŏƙ!ƨǴƕ!ƒ ƧĂƤƮ!ƒĂ ǇþǴƶdž!ƒĂ ŎƶŏƕƱ!ƒ ƨǴƺ!ƒ :ýƛdž ŀƵĂǇƙdž

ƴùpƒĂdž!ƒĂ ŀùŏǇƒĂŏơ!ƒ ǉĂƧùƛ!ƒ ƧþǴƮdžĂ ŀŏƶŏƕƱ!ƒ ŎƵƒƧdž!ƒĂ ƴþƒĂdž!ƒ Ưƶƕ Ŏ5 ŀƵƒƧƨǁ! ŀơ!ǴƮ!ƒ

.ŀŏơǴŏĿ!ƒ ƘǴdžĂǉdž!ƒĂ ŀŏƤŏƧǴƙ!ƒ ƟĂƧƮ!ƒĂ ŀŏƧƛŰƒ

ƘǴùƞƧþ ĬƮùpƉ ǉǴƵƒƧdž ƔƞŏǴnjƛƒþơƙĿŬĂ ÜŀŏƮĂƮƤ ƘƒƦ ŀŏþǴƕ!ƒ ŀŏdžǇƙ ŀŏǁdžƵ ǇƉ Ŭǫ

ŀùƛűƛ ǇŏƕŎƑŏƕ!ƒ ĭƧƬƕ!ƒ ǇƨƒĂƙ!ƒ ƒƦNjĂ ÜŀƑŏƕ!ƒ ýǴŏơ ĭƧƬƕ!ƒ ǁĂǁĿ!ƒĂ ŎƑŏƕ!ƒ ǊǴƯǇ!ƒ ǇŏƕǇƨƒĂƙ!ƒ

:ƘŬǴƞdž

ǇǴĿǇŰƒ ŀŏơ!ƒ ƳƒĂǇŰƒ ŀ5Ǵǂ ĬǁƵ ĭĂƙơŏ ĭƦ!ƒ ýdžƬŰƒ ƱŏơdžƒŀŏƶŏƕƱ!ƒ ŀƑŏƕ!ƒ ÜýĂŰƒ ýǴƞdž!ƒ

ƧùĿŰƒĂ þƒƧù5Űƒ ǇǇdž ǇĂǂdž!ƒ ŎƵǴdžƙƞŬƒ Ɣŏǂƨƙ!ƒ Ŏ5 ýƛdžƙŏ5 ŎǇǴƛ!ƒ ýǴƞdž!ƒ ǴdžƉ .ƘǴƕǇ!ƒĂ ǇƒĂŏơ!ƒ

ŀùŏ5ƒƧƺĂdžŏþ f ƑǴƮùƤ ǇùdžǊǇdžƴùƙƙ ǴdžĂ ŀŏǇǴǂĿ!ƒ ƘǴƶdžƞƙ!ƒĂ ăƧ!!ƒĂ ƧƑǴƬƶ!ƒĂ ƘűƑǴƶ!ƒĂ

Ǵùnjƕ ýùdžƶŏ Ŏùƙ!ƒ ŀŏþǴƮƙpŰƒ ŀƱƬǇŰƒĂ ǊǴƙǇŰƒ ƱǴdžǇƉ Ŏ5 ýƛdžƙŏ5 ŀ!Ǵƛ!ƒ ýǴƞdž!ƒ ǴdžƉ ÜŀŏƵǴdžƙƞƒĂ

ǇǴĿǇǫĂ ŀƑŏƕ ƠǁǴƮ Ŏ5 ǊƞƑǴƙǇ ǇĂǂƙ ǇǁƻĂĿ ƘŰǴƞdž!ƒ ǉƦNj ǇƨƒĂƙ Ŏ5 ýǁƤ ĭƉ Ǉǫ ŀŏþǴƕ!ƒ ƴdžƙƞdž

.(12 f Ü2011 ÜþĂdžơdž) ŀŏþǴƕ!ƒ

ƴŏdžƞ Ŏ5 ŀdžƒþƙĿŰƒ ƧŏŏǴƶdž ƫŏƕƱƙƕ ăƧƤƉ ŀŏƕƧƵ ǇƒþǁƕĂ ǇþƧŰƒ ǊþƕÜǉƧŏƤŰƒ ŀǇĂŰƒ Ŏ5Ă

ŀùŏƵǴdžƙƞŰƒĂ ŀŏþǴƮƙpŰƒ ŀŏ!ĂƋĿdž!ƒ ýdžơƙƕ ǊþƕǇĿ ƪƧŏƤƉ ǴǇǇƉ ĂNj ǁ!ƦNJŏǇƶŏ ǴdžĂ ÜǴNjþǴƮƙpƒ ƔǇƒĂƞ

ƘǴĿùĿƋdž!ƒ ƧƒþùƮǫ ĬùĿǫ ÜŀŏĂƴƵ ýŏƮǴơdž! ǇþƧŰƒ ƧĂƺ ƳƧƒƨdž ƱǴƙǇǫ ǇǇdž ÜǴǇƙƒƧƒƧ! ŀŏƑŏƕ!ƒĂ

Ŏù5 ÜǴǇ!ǴdžƵǫ ǴǇƙƧƒþǫ ŀǉŏƧƱ Ŏ5 ǉþŏþƞ ǉƧƯǇ ĬŰþƙǇ ǉĂƱƤƕ ǉĂƱƤ ŀŏƧĂþ ŀdžƒþƙĿ ƧŏƧǴǁƙ ŀŏǇþƧŰƒ

[illegible]

[illegible]

[illegible]

http://www.queenrania.jo/ar/community-empowerment/sustainable-development

[illegible]

[illegible] 2009 [illegible] (1 [illegible]

[illegible] (1 [illegible] 2009 [illegible]

[illegible] 2009 [illegible] (1 [illegible]

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[illegible] (4 [illegible] 2009 [illegible]

1 - [illegible] 80% [illegible]

[illegible]

ƨùdžǕƒ Ŧù ŏǉƥƨǕƒ Ŧŏƥǵ!ƒ Ŏ5 Ŧŏdžǉk!ƒ ƘǴŏĂ!ĂƉ ƥŏƥơkĂ ƢŏƢƤk! lƥơƒĂ ŦŏƶƞƨdžƥĂƞĂ ǅƥƵ -5

ƻƶù ưĂ ƘǴƱ5ǴơdžǃdžƠ lƨŏƕ!ƒ ŦŏǉǴŦƪ!ƒ ƘǴƶdžƞk!ƒ Ĭ!ǫ Ŧŏdžǉk!ƒ ǊŏƞĂk Ĭ!ǫ ăƥƉ ĭƦ!ƒ

.ƘǕǴơ!ƒ Ơƶƕ Ŏ5 ƨƒƨŦk!ƒĂ ƪŏƪǉk!ƒ

35 Ŏ!ƒĂơ ǴǌǉƵ ƥƶƕŏĂ ƫƨƽdž!ƒ ŦƱ5ǴơdžǃdžƫƨƬ!ƒ Ĭ!ǫ ŦŏpƨƬ!ƒ Ŧŏ!ǴdžƬ!ƒ Ŧŏƥǵ!ƒ ǇƒĂ! ƴlŏ

.ǅŦ3650.7 Ŏ!ƒĂơ ǴǌkơǴƪdžƩkĂ ǅŦ

Ĭù!ǫ Ŧ5Ǵù ưǗǴƕ ǇƒĂù!ƒ Ŏ5 ŦdžƑǴl!ƒ ŦŏƥǴƮkpǕƒ ƘǴƢǴƬǉ!ƒ ǅǋǈƉ ŦŏĂƨdž!ƒ ŦƵƒƨƨ!ƒ ƨƕkƶkĂ

ǴŏƨƒĂkƨƒ ƪƨƑƕ 288 ǇƒĂ!ƒ Ŏ5 ŦŏƨƒĂkƨǕƒ ƨǴƕǓƒ ƥƥƵ ƩƕŏĂ ǅǴǉƩǕƒ ŦŏƕƨkƕŦƛdžkdž!ƒ ŦŏǉƒĂŏơ!ƒ lĂƨƛ!ƒ

Ŧù ŏƕƨkĂ lƨǴùƞk!ƒ Ŏ5 ýƛdžkdž!ƒ ĭƥǴƮkpǕƒ ƢǴƬǉ!ƒ Ĭ!ǫ Ŧ5Ǵ ưǫ .ǉǴdž!ƒ ŦƢƪ ƨǴƕ ǁ!Ʀ ǃdž Ĭ ǉƛkƪŏĂ

.ƔĂƕơ!ƒ ŦƵƒƨƨƕ ŦƛdžkdžƑ Ŧŏƶƕ!ƒ ƘǴƵƒƨƨ!ƒ Ơƶƕ Ă ŎƬƒĂdž!ƒ

ýĂƥ ƴdž ŦŦdždž!ƒ ƢƕƨƕƫƶkkŦdžǌdž Ŧŏƞŏkƒƨkƪƒ ƥǴƶƕdžƕ ŦŏpƨƬ!ƒ Ŧŏ!ǴdžƬ!ƒ Ŧŏƥǵ!ƒ ǇƒĂ! ƨǴkdžŏ

ƥĂƥùơ ƨŦƨdž ýǘƤ ŦŏĂp ŦŏƥǴƮkpƒ ƘǴpǖƶƕ ŦŏdžƬǴǌ!ƒ ŦŏǉƥƨǕƒ Ŧŧdždž!ƒ ƴdž ƢƕkƨklƨĂǴƞdž ŦŏƕƨƵ

ƴùpĂdž!ƒ ŦŏdžǋǈƉ Ŏkdk Ǵdž Ŧŏpƒƨƶ!ƒ ƥĂƥơ!ƒ ĬƵ ŦdžƒƨŦ!ƒ ƥĂƥơ ƨŦƨdžĂ ŦŏƨĂƪ!ƒ ƥĂƥơ!ƒ ĬƵ ƨƕǴƞ

ŦŏƥǴƮùkpƒ Ŧ!ƢǉdžŦdžǴpǫ ǃǫĂ Ŧ!Ƣǉdž!ƒ ǉƦǌ Ŏ5 Ŧŧdždž!ƒ Ĭ!ǫĂ ǃdž Ŧŏ!Ăƥ!ƒ ŦƕƨƕƑ ýlǉ!ƒ ƢĂƢƤ ƔĂpĂ!

.Ǵǌŏ5 Ŧŏdžǉk!ƒĂ ýdžƶ!ƒ ƒ ƨ5 ǃdž ƥŏƨŏƪ Ŧŏƥǵ!ƒ ǃdž ǴǌƕƨpĂ ƫƨƽdž!ƒ Ŏ5

ƜǴùkǉǗƒ ƴùpƒĂdžĂ ƨŏƥƮk!ƒ ƫƢǴǉdž Ĭ!ǫĂ ǃdž ýlǉ!ƒ ƘǴŏdžƵ Ǵưŏƌ ýǌƪŏ ƨŏdždž!ƒ ƴpĂdž!ƒ ǃǫ

.ýlǉ!ƒ ƻŏ!ǴŦk ǃdž ƨ5ĂŏĂ

ýŦƬùŏĂ 2009 ǅǴùƶ! Ŧdžƪùǉ (66430) ŦŏpƨƬ!ƒ Ŧŏ!ǴdžƬ!ƒ Ŧŏƥǵ!ƒ ǇƒĂ! ǃǴŦƪ ƥƥƵ ƩƕŏĂ

ŦƪùdžƤ ĬùƵ ŦƵƨĂdž ƫƨƽdž!ƒ ŦƱ5ǴơdžǃǴŦƪ ǃdž %23.6 Ŏ!ƒĂơĂ ŦŦdždž!ƒ ǃǴŦƪ ǃdž %0.011

:Ŏƕŏ Ǵdž Ŧŏ ưpƉ

- ǅǴ ưp Ǵ!ǴƮ!ƒ :Ŧŏơ!ǴƮ!ƒ (20480) Ŧdžƪǉ

- [illegible] :(11900) [illegible]

- [illegible] :(17530) [illegible]

- [illegible] :(8950) [illegible]

- [illegible] :(10550) [illegible]

[illegible] 150 [illegible] 120 [illegible] 7 [illegible] .(2012 [illegible]

Ɨùǒþǀŵ!ƒ ǀƒĂ! Ŏ5 ăƧƤǕƒ ƘǀƵǀƱ!ƒ ǇJǒŵ ǇJǆ ǅþlkǆ ƨǂƧǆ ƘǀǆþƤ!ƒĂ lƧǀɳk!ƒ ƳǀƱþ ýkơǒ

ƗƱùƪĂkǆĂ lƧǒʓùƬ ǀnjǉĂǂŵ ǀƒĂ!ƒ ƒƦǋ Ŏ5 ƗǆƑǀ!ƒ ƗǒþǀƬkþǕƒ ƘƉTǉǆ!ƒ ƨǒǆkkĂ ƗǒþƧT!ƒ Ɨǒ!ǀǆT!ƒ

ƗùǒǉþƧD ƧùǒƩ ƘǀǒƪùǉȠ ǇJǆ ǇJǀǒơǕƒ Ɣ!ǀƩ Ŏ5 ƒĂǉĂǂǒ ǇJǒƦ!ƒĂ ǀnjǒ5 ǇJǒǆþƤkƪǆ!ƒ þþƵ ƗpĂ ǅȠơ!ƒ

ƴùǒŵ ýǀùơǆ Ǐù!ǫ Ɨ5ǀùư ǕǀŵƗ þǖơ!ƒ ƘǀǉĂ!ǀƬĂ Ɨ!ǀlŵ!ƒ ƘǖơǆĂ ǅƵǀƱǆ!ǀŵ ƘƉTǉǆ!ƒ Ŏ5 ýƛǆkkĂ

ƘƒƧǀǒƪù!ƒ ƘǀǆþùƤĂ ƗǉǀǒƬ ƘƉTǉǆ ǁ!ƦǂĂ ǀnjkƒƧƒĂƪƪǂǫĂ ƗǒĂP!ƒ lƨnjɳǕƒĂ ǋǂƒĂ5!ƒĂ Ƨǀư Ƥ!ƒ

lƧǊǀùǛk ƗùǆǀþǕ Ɨùǒǉ5!ƒĂ ƗǒƧTŵ!ƒ ƘǀǉǀǂǆǕƒ Ɨǒ!ǀǆT!ƒ Ɨǒþǀŵ!ƒ ƗlƱǉǆ Ŏ5 Ƨ5ĂkǒĂ ǛǇǀŵ!Ǖƒ ýǀơǆĂ

ƽƱǀùǉǆ Ŏù5 ƗùǒĂǆǉk!ƒ Ɨǒǆƶ!ƒ ǅƵþk (ƗǒǉþƧǕƒ Ɨǒþǀŵ! ǇJǀɳƧnjǆ ý ǂT ǏƵ) ƗǆǀT ƗǒĂǉƪ Ɨǒơǀǒƪ

ǋǒĂƧùk! Ɨ5ǀưǕǀŵ ƗǒơǀǒƪĂ Ɨǒ5ǀlƛĂ ƗǒƧǀɳk ƘǀƱǀTǉ! Ɨþơ!ƒ ƒƦǋ Ɨl5ƒƧǆ ýǖP ǇJǆ ǁ!ƦĂ Ɨǒþǀŵ!ƒ

ƘƒĂþùǉĂ Ƙƒǀǀùl! ýùǆƶŵ ǅǀƵ ýǂTŵ ŎǉƱĂ!ƒ ăĂkƪǆ!ƒ ǏƵĂ ƒ ǀP ýǂTŵ ƗlƱǉǆ! ǐƧǆƛkƪǕƒ

Ɨǒ!ǀǆTù!ƒ Ɨùǒþǀŵ!ƒ lþƒƧǫ (ƗùǒɳǀkǉǕƒ ƨùǒƨƶk ƨùǂƒƧǆ ǋǆǀùǉƧŵ) ƧǆƛkƪǕƒ ýǀɳǆ Ŏ5 ƗƬƬƤkǆ

.(2012 ǛƘƒƧĂTǉǆ)

ƒĂǀùɳ ƗùlƱǉǆĂ ƗǒƧƛǕƒ ýǀǆɳ!ƒ ǅD ƗǉǒþǆǍ ýƛǆ ƗǒƧƛǕƒ ǇJǂǀǆǕƒ ǇJǆ Ƨǒƛǂ!ƒ ǀƒĂ!ƒ Ŏ5 þɳĂǒ

ƗǒơǀǒƪĂ ƘǀǆǒƤǆ ƗǆǀpǫĂ ýǖP ǇJǆ ǀnjǉ ƗǒǀǉƵ!ƒ ƽơkƪk ƗƵǒŵƱŵ ǏƵơkkĂ ƻnjǂ!ƒ Ƨǒþ ǀǀưþ Ŏ5 ƗǒƧƛǕƒ

ƗǒþǀTƧǫ ƘƒƧTǉ ŎǊǉĂ Ɨǒơǀǒƪ!ƒ ƘǀǆþƤ! ƧlƽƽǀƗǒ!ǀǆT!ƒ Ɨǒþǀŵ!ƒ ƗlƱǉǆ Ŏ5 Ɨǒơǀǒƪ!ƒ ƴþƒĂǆ!ƒ ǇJD Ǜǫ

ƘǀơƒƧkùƪƒ ǇJùǆ ƗǒơǀǒƪĂ ƘǀǆþƤ þĂɳĂ ǅþƵĂ ǇJǒǒơǀǒƪ ǀǛþD þĂɳĂ ǅþƵĂ ƗǒkơǏ!ƒ Ɨǒǉŵ!ƒ ƻƶưĂ

.ǀǒ!ĂþĂ ǀǒǆơǆ ƗǒơǀǒƪǏ!ƒ ƽƱǀǉǆǅ! ŎơǀǒƪǏ!ƒ ƽǒĂƪk!ƒ ƻƶư ǁ!Ʀǂ ƽþǀǉ5Ă

ƗǒþƧT!ƒ Ɨǒ!ǀǆT!ƒ Ɨǒþǀŵ!ƒ Ŏ5 ƔƧl5 ƔĂǒɳ ƗƶŵƧD þĂɳĂ 2008 ǅǀƵ! ƗƛǒþơǕƒ ƗƪƒƧþ!ƒ Ƙǉǒŵ

ǇJǒùƱ!ƒ ǅD %34.6 Ƨùl5!ƒ ƗŵƪùǉĂ ýǀùǆɳ!ƒ ǅD :ŎǊĂ Ɨǂǆǆǆ!ƒ ăĂkƪǆ ǏƵ Ɣǒɳ 32 ýƬD ǇJǆ

Ɨùǒþǀŵ!ƒ Ŏù5 ƗùǒɳǀkǉǕƒ ƨǒƨƶk ƨǂƒƧǆ ǋǆǀǉƧŵ) %35.2 ƻnjǂ!ƒ Ƨǒþ %48.2Ɨǒơ!ǀƬ!ƒ %35.2

.(2012 ǛƘƒƧĂTǉǆ ǛƗǒ!ǀǆT!ƒ

:!ĭǂyǂ׀׀ɛ

YɀĂkk Ɨʅƨþdž (154) þTŏĂƨ!ƒ ĆƒĂ!Ă Ɨŏ!ĜdžT!ƒ ƗŏþĜ!ƒ ĆƒĂ! Ŏ5 ƗŏdžĂǂơ!ƒ ΣƨƒþdžƗƒ þþƵ Ƹ׀׀ŏ -

.ǇŏƑƒĂ׀׀! ƗƶĜk!ƒ ƗŏǉĜǂʅ!ƒ ƘĜƶdžƞk!ƒ Ĭ׀׀Ƶ

Ŏùʅƒƨþ!ƒ ǄĜùƶ׀׀! Ǆŏù׀׀ƶk!ƒĂ Ɨŏƨk!ƒ lƨƒɀĂ ƘĜǉĜŏ Ɣʅơ (32896) Ĝnjŏ5 Ɣǘʊ!ƒ þþƵ Ƹ׀׀ŏĂ -

.ƗŏdžĂǂơ!ƒ Σƨƒþdž!ƒ Ĭ׀׀Ƶ ǇŏƵɀĂdž 2013/2012

.105 Ǆŏ׀׀ƶk!ƒĂ Ɨŏƨk!ƒ lƨƒɀĂ! ƗǂĂ׀׀dždž!ƒ ƗŏdžĂǂơ!ƒ Σƨƒþdž!ƒ þþƵ Ƹ׀׀ -

þþùƵ Ƹù׀׀Ă 32 ýĜʊǕƒ ƯĜŏƨ Σƨƒþdž þþƵĂ 44 lƨƞdžʅdž!ƒ Ɨŏʅƨþdž!ƒ ŎǉĜdž!ƒ þþƵ Ƹ׀׀Ă -

2 ƗùŏĜlʎ!ƒ ɀùǂƒƨdž!ƒ þþƵĂ 9 ƗŏdžǕƒ Ăơdž ɀǂƒƨdž þþƵ Ƹ׀׀Ă Ɨdž׀׀ƶdžĂ Ǘdž׀׀ƶdž 1917 Ǉŏdž׀׀ƶdž!ƒ

Ǆʅùp / ƗŏpƨTù!ƒ Ɨŏ!ĜdžTù!ƒ ƗùŏþĜ!ƒ Ŏ5 Ǆŏ׀׀ƶk!ƒĂ Ɨŏƨk!ƒ Ɨŏƨŏþdž) 2 ƗƮĜP!ƒ Σƨƒþdž!ƒ þþƵĂ

(2012 ƱŏƱPk!ƒ

:ƕϴT׀׀ɛ

Ă þùơƒĂ ŎdžĂùǂơ Ĭ5Tùkʅdž ƫŏƨƱ ǇƵ Ɨŏ!ĜdžT!ƒ ƗŏþĜ!ƒ Ŏ5 ƗŏơƮ!ƒ ƘĜdžþP!ƒ Ǆŏþlk Ǆkŏ

(7) þþùƵ Ŏ!Ă ɀǂƨdžĂ (15) þþƵ ŎƵƨ5 ɀǂƨdžĂ (8) þþƵ ýdžĜT ɀǂƨdž Ĝnjŏ5 ŎơƮ ɀǂƨdž (30)

Ơkù5 Ĭù!ę Ɨùƞĝơ ŎǋĂ þTŏĂƨ!ƒ ĆƒĂ!Ă ÜƗŏ!ĜdžT!ƒ ƗŏþĜ!ƒ ĆƒĂ׀׀! ƗƶĜk!ƒ ƗŏǉĜǂʅ!ƒ ƘĜƶdžƞk!ƒ ǄþPk

Ɨŏ!ĜdžTù!ƒ ƗùŏþĜ!ƒ ĆƒĂ! ƗơƮ Ɨŏƨŏþdž) .ƗŏǉĜǂʅ!ƒ ƘĜƶdžƞk!ƒ Ưƶ Ŏ5 Ɨŏ!Ă Ɨ׀׀džĜT ƗŏơƮ ɀǂƨdž

.(2013 ÜƗŏpƨT!ƒ

:ĬYƑǄƗɯǗɛ üǄƶy׀׀ɛ

Ƹù׀׀ Ɨùŏơ ƗŏǉĂĜƶk!ƒ ƗŏƨŏP!ƒ ƘĜŏƶdžƞ!ƒ Ǉdž þþƵ ƗŏpƨT!ƒ Ɨŏ!ĜdžT!ƒ ƗŏþĜ!ƒ ĆƒĂ! Ŏ5 þƞĂŏ

Ĭù׀׀Ƶ ƗƵɀĂdž Ɨŏƶdžƞ 39 ƗŏǉĂĜƶk!ƒ ƘĜŏƶdžƞ!ƒ þþƵ Ƹ׀׀Ă ƗŏƨŏP Ɨŏƶdžƞ 57 ƗŏƨŏP!ƒ ƘĜŏƶdžƞ!ƒ þþƵ

yŏƨĜTùdž!ƒ Ưùƶ Ĭ׀׀Ƶ ƻƒƨTǗĜ ǄĂlk ŎǋĂ ƗŏpƨT!ƒ Ɨŏ!ĜdžT!ƒ ƗŏþĜ!ƒ Ɨ!Ʊǉdž! ƗŏǉĜǂʅ!ƒ ƘĜƶdžƞk!ƒ

ƠǉdžĂ ƧƪǕƒ Ƣ'ƶƄ! ƖƧƒĂƥ ƢĂƧƿ ƠǉdžĂ ýǗƤ ǇǇdž ƖƧŏƖ5!ƒ ƧƪǕƒ ƖƥƵƓƪdžƄ ǋĂƖƙĂ ƖƧŏƺƮ!ƒ ƚŏĂdžǉƙ!ƒ

ƚùŏƥƓƄ!ƒ ƇƒĂǇ! ƚŏƵƓdžƙƞǕƒ ƚŏdžǉƙ!ƒ ƚŏƧŏƥdž) ƓǌŏƥǇ! ǇƓdžƙƑƒ ƽŏƥƓǉƮ ƽŏƧƱ ǇƵ ƚƞƙǉdž!ƒ Ƨƪǖ! ƢĂƧƿ

.(2013 ǕƚŏƿƧƬ!ƒ ƚŏ!ƓdžƬ!ƒ

ƕǑǋǄdžƚǁƑƓ ƕƽƚƴƚǄǁƐ ƖƑǏƥƜdžǁƐ

ƧƱǉ ƘƓǌƞĂ Ʃƚƶƙ ƚ5ǁƙƤdž ƓŏƒĂƨ ǇǇdž ƚŏdžǉƙ!ƒ ƖƧǋƓƱ Ƙ!ĂƓǉƙ ƖƥŏƥƵ ƘƓŏƧƱǉ ǁƓǉǋ

ǏǁƵ ƚŏƧƱǉ!ƒ ǉǛǋ ǋĂƖƙ ǕĂƙƪĂƧ! ƚŏƤŏƧƓƙ!ƒ ýƠƒƧdž!ƒ ƚŏƧƱǉ ƓǌǉdžĂ Ƨƚǉ ǇǇ ǇƚdžŏĂ ƓǌƄƓƠƮǇ

ǇǇ ǏǇ ƚŏƞŏƧƥƙĂ ƚŏǁƠƧdž ƘƒĂƱƤ ǏǁƵ ƇƓǉƄ ƽƖƠƙƙ ƘƓƶdžƙƞdžǁ! ƚǁdžƓƬ!ƒ ƚŏdžǉƙ!ƒ ǇǇƄ Ƣ'ƒƧƙ5Ǖƒ

ǏƥƓƮƙƿǕƒ Ădžǉ!ƒ ǇǇdž ƚdžƥƖƙdž ƚǁƠƧdž Ǐ!ǫ ýƮŏ ǇǇ ýƄƿ ƴdžƙƞdž ǏǇ ƓǌǉƧƶŏ ƖƥƥƠdž ýƠƒƧdž ǁƓǉǋ

ǇǇŏƄĂ ƖƥŏƥƵ ƚŏƑŏƄĂ ƚŏƧƓƜƠĂ ƚŏƵƓdžƙƞƒ ýdžƒĂƵ ƚŏdžǉƙǁ! ƚǁƄƓƪ ƘƓƄǁƱƙdž ǁƓǉǋ ǇǇ Ɠdžƚ ǑƵƓdžƙƞǕƒĂ

.(46 ƒ Ǖ2009 ƚǁdžƒĂƶ!ƒ)Ǒǁŏ Ɠdžƚ ƓdžĂdžƵ ƚŏdžǉƙ!ƒ ýƠƒƧdž ĂƙƪĂƧ

Ǐ ƥŏǁƖƙ!ƒ ƴdžƙƞdž!ƒ ƚǁƠƧdž .Ǉ

ƚŏdžǉƙǁ! ƚƖƄƓƪ!ƒ ƚŏƵƓdžƙƞǕƒĂ ƚŏƥƓƮƙƿǕƒ ƘƓƄǁƱƙdž! Ɠǌ!ǗƤ ƧĂǁƄƙ ƚǁŏĂƱ ƚŏǉdžƨ ƚǁƠƧdž .Ɣ

ƖƧŏƮƿ ǑǋĂ ǏĂdžǉƙ!ƒ ƽǗƱǉǕƒ ƚǁƠƧdž .Ɯ

ǏĂdžǉƙ!ƒ ƜĂƢǉǁ! ƨ5ƒĂƠ!ƒ ƔƧƓƪƙ ƚǁƠƧdž .ƥ

Ǒ!ƓƶƒĂ Ƨŏ5Ă!ƒ ǁǖǌƙƪǕƒ ƚǁƠƧdž .ùǋ

ƚǁƠƧdž Ǒ5 ĂǇ ƚƪdžƤ!ƒ ƘƓƑ5!ƒ ǇǇdž ƚƑ5 Ǒ5 ƘƓƶdžƙƞdž!ƒ ýƚ ƴƢĂ ǇƚdžŏǋǇƄ ĂƙƪĂƧ ýĂǁŏ

ƴdžƙƞdž!ƒ Ǒ55 ƚŏƄƧƺ!ƒ ƚŏƥƓƮƙƿǕƒ ƚŏdžǉƙǁ! ǋǇƙƪƒƧƥ ǇǇdž ƒ ǁƤ ƥƿĂ ǏƥƓƮƙƿǕƒ Ădžǉ!ƒ ýƠƒƧdž ǇǇdž

ƚdžŏǁ!Ɠ5 ǋǁƶ!ƒĂ ƓŏƞĂ!ĂǉƚƙƙƧ!ƒ Ƨ5Ăƙ ǋƥƵ ƔƄƪƄ ƖƥĂƥƠdž Ǐ!ĂǕƒ ƚǁƠƧdž!ƒ Ǒ5 ƘƓƞƧƤdž!ƒ ǇĂƚƙ Ǐ ƥŏǁƖƙ!ƒ

ƚŏƠ ƔǗƿǕƒ ýƄƿ Ɠdž ƚǁƠƧdž ǑǋĂ ƚŏǉƓƙ!ƒ ƚǁƠƧdž!ƒ ƓǌǋǇ ƚǁƨƚƧdž ƚŏƪƓŏƪ!ƒ ƚƱǁƪ!ƒĂ ƚŏƧƥƿ ǋƓƵ ýƚƬƄ

.(47-46 ص 1998 ...)

(47 ص 2011 ...)

-1 [illegible]

-2 [illegible]

[illegible]:

- [illegible]

- [illegible]

- [illegible]

- [illegible]

- [illegible] .(48 [illegible] 2011[illegible])

- [illegible] urban BIAS [illegible]

lƧùƛǂĂ ƧlƼ!ƒ ƗǁǂTǆ þlƶƙ! ƭƧƲǉ ÜlƧƮǤþ Ƙ!ƒƨ ǤǆNJöǁƵ ƗhǤƞŰƒ LJD Ůƣ ƗöƼƒƧƷƞ!ƒĂ ƗöþǤƮƙþŬƒ

CǤùlh ƔhùƪƧöƪùƼƙ ĭƧươ!ƒ ƨöơƙ!ƒ NJƙöƧƲǉ ŎƼ LJĂƙh! ýĂǤơ þlƼ ǤnjöƼ ƧƛƋƙ Ŏƙ!ƒ ƘƒƧöƷƙǆ!ƒ

ƗùöƵǤǆƙƞŬƒĂ ƗöƵǤǆƙƞŬƒ ýǆƒĂƶ!ƒ LJǆ þþƵ ýűƤ LJǆ ƻöƧ!ƒ ŎƼ ƧlƼ!ƒ lƧNjǤƲ þöƒƨƙĂ ƧƒƧǆƙƪƒĂ

Ǆ!Ǥùƶ!ƒ ŎƼ YƒƧƮ!ƒ LJD LJĂƙh! ăƧö ƗöþǤƮƙþŬƒ ƔǉƒĂƞ!ƒ ýǤǆNjƣ ǄþƵ yǆ ŎƪöƑƧ ýǂTh ƗöƪǤöƪ!ƒ

ƗùöhǉƞǕƒ Ơ!ǤƮùǆ!ƒ ĂD ýǤùǆ!ƒ ƩDƧĂ ýùǆƶ!ƒ LJöh ŎlhƱ!ƒ YƒƧƮ!ƒ ýǂT ƦƤƋö þƶö Ǆ! ŎǆǤǉ!ƒ

ŎƼ ƗöƪǤƪǕƒ ƗöưƧƼ!ƒĂ Ɨǉöþǆ!ƒ LJǤǂƪĂ ƻöƧ!ƒ LJǤǂƪ LJöh ƠƵƒƧƮ ƠhƮD ýh ƗöǉƱĂ!ƒ Ơ!ǤƮǆ!ƒĂ

Ʃùǂƶö ǤǆnjǉöhĂ ƗöƧl!ƒĂ Ɨǉöþǆ!ƒ LJǆ ýǂ ýƤƒþ þƧƒĂǆ!ƒ þƮƧ LJƋh ýĂlƙ ĭƧươ!ƒ ƨöơƙ!ƒ ƗöƧƲǉ

ƗùöǆĂǂơ!ƒ ƘǤùǉƨƒĂǆ!ƒ LJD Ĭùǉƶǆh ƗöǁƵǤƼ!ƒ ĂD lƒĂǤƪǆ!ƒ ĬǁƵ ƨǂƧö Ǥǆǆ ƧƛǂD ƗöƧươ ƗöĂ!ĂD

Ŏùƙ!ƒ ƘǤùƵǤƱl!ƒ ŎùƼ ĬƙơĂ ƻǤƮǉƣ LJĂþ LJþǆ!ƒĂ ƻǤöƧŰƒ LJöh ǤnjƶöƨĂƙ ǄƙöƗǆǉƙ!ƒ þƑƒĂƵĂ

LJƣ ýĂùl!ƒ Ĭù!ƣ lƧĂþùh ǤùǉþĂlö ƒƦùNj ǄöǁƶƙƒĂ ƗơƮ!ƒ ƘǤƵǤƱþ ýƛǆ ǄnjƪƼǉD ƇƒƧlƼ!ƒ ƻþnjƙƪƙ

Ŏùƙ!ƒ ƗöƧǤTùƙǉŬƒ ƧǤƛŬƒ ƾƼþƙ LJĂþ ƾöƶƙĂ ýĂơƙ Ŏƙ!ƒ ǤnjƪƼǉ ŎNj ƗöǆĂǂơ!ƒ ƗöĂǆǉƙ!ƒ ƘǤƪǤöƪ!ƒ

ýNj ŎNj ƗǁǂTǆ Ĭ!ƣ ƘǁƮĂƙ ƘǤöƧƲǉ!ƒ ǉƦNj LJD ƠƮǉö ƒƦNj LJǆĂ ýǤǆTƧöNjĂ ýƒþƧöǆ ǤnjǉƵ Ɨþơƙ

ŎƼ LESTER BROWN LJĂƒƧh Ƨƙöƪ! ýĂlö ƗöƑöh ƗǆƨD ǄD ƗöƼǤlƛ ƗǆƨD Ɨǆƒþƙƪǆ!ƒ ƗöǆǉƙƗ!ƒ LJD

ƗùöhǁƙƗ! Ɨǆöþƙƪǆ!ƒ ƏþǤhǆ!ƒ ǤnjƪǤƪD 21 LJƧl!ƒ Ĭ!ƣ ǤǉþĂlƙ ƗöþűƤD ƗǁƮĂh Ĭ!ƣ ƗƞǤơh Ǥǉǉƣ 1999

ƧǂƦùƙǉ LJD ǤùǉöǁƵ BERTRAND RASSEL ýùƪƒƧ þǉƒƧƙƒƧh ýĂlöĂ ƗöǉǤƪǉŰƒ ƘǤƞǤƞƙơŬƒ

ýùǆƵ ýùǂ ŎƼ ƗöĂƒƨ!ƒ ƧƞơŎNj ƗƼǤlƛ!ƒ LJƋh ƠǆƑƒþ ǁƧþǉ LJD ƔƞöĂ ǤNjƒþƵ Ǥǆ Ĭƪǉǉ ǤǉƙöǉǤƪǉƣ

.(2011ÜƗöƧĂƮÜĬöơö) ÞŎǉǤƪǉƣ

:ħŵĜƑƨǁ ǀƑƨƐþƣǁ

ŧdžfþkʅùdž!f ŧùŏdžǉk!f ý ùpfĂ ŧǉŏħdž YĂưĂdž!f fŖǋ Ƙ!Ăǉǉ

:ŎkŬĜŧ Ĝnj ưƧƵĂ Ĝnjdžŏʅǀk Džk þpĂ ÜĜnjkĜpĂƶdž DžŅjĎĂ ĜnjǁƑĜʅĂĂ

:ħŏŧƟĎž ǀƑƨƐþƣ (1

(1993) ƒ ƑĭʒŅj Ƒƨŧǋǁ ħƨƐþƣ

Ĭù!ƥ ŧùʅfƧþ!f Ƙ5þùŅj "ŧùŏǉþƧŰf ŧŏþĜħ!f ƧŏĂƱkĂ ŧơħ ǋdžĜǉƧħ ŧǀƱǉdž! ĭƧfþŰf ýþfĂ!f"

ĭŖù!f ƧĂþ!f ĬǁƵĂ ŧŏǉþƧŰf ŧŏþĜħ!f ƧŏĂƱkĂ ŧơħ ǋdžĜǉƧħ ŧǀƱǉdž ýƤfþ ǀƧfþŰf ýþfĂ Ĭǁ Ƶ ƻƧƶk!f

þùơk Ŏk!fĂ ŧǀƱǉdž!f ĜnjǉdžŎǉĜƶk Ŏk!f ƘĜpĂƶdž!fĂ ýŧĜƬdž!f Ĭǁ Ƶ ƻƧƶk!fĂ .ŧŏǁơdž!f ŧŏdžǉk!f Ņŏ5 DžĂǀk

DžŏƲǉk! ƧĂƮk ýưĂ Ĭ!ƥ ǴưŏĐ ŧʅfƧþ!f ǉŖǋ ƻþnjkĂ .ŎǉĜŧʅĂ ĭþĜƮkpf ƔŖɳ ýdžĜƵ ǇĂŧk ǇĐ ǇdžŠ

fŖùŅj .ŧŏƵĜdžkɳfĂ ŧŏþĜƮkpf ŧŏdžǉk ƽŏǀơk! ŧŏ!ĜdžfĂ ŧŏƧƬħ!fĂ ŧŏǉ5!f ƘfƧþǀ!f Ņ!ŭƤ ǇdžŠ Ƨ5Ăkk ĭƧfþƥ

ƘĜùƶdžkɳdžǁ! ŧŏʅĜʅŰf ƘĜdžþƤ!f DžŏþǀkǇƵ ǀƨɳĜƵ ƘĜdžŏƲǉk!f ǇĐ Ĭ!ƥ ŧʅfƧþ!f ǉŖǋ Ŏ5 ƘǁƮĂk þpĂ

ƧŏĂùƱk Ŏ5 ŧŏǁħǀkʅdž!f ŧŏƋƧ!f Ĭ!ƥ ƧĜǀk5fĂ ĈƱħ ǇdžŠ Ņŏ5 ƻ Ʈkk Ĝdž! ƔĂǁƱdž!f ăĂkʅdž!f Ŏ5 ŧŏǁơdž!f

.ŧŏ!Ĝdž!f þƧfĂdž!f ƻƶư Ĭ!ƥĂ ŧŏǁơdž!f ƘĜƶdžkɳdž!f

:ŎŅj Ĝnjħ ƘĈĜɳ Ŏk!f ƘĜŏƮĂk!f DžŅjĎĂ

ŧùǀƱǉdž ƧŏĂƱk! ƧĂƮk ýưĂ Ĭǁ Ƶ ǀƧþǀ!fĂ ŧŏŧŏdžĜǉŏþ!f Ĝnjŏ5 Ƨ5Ăkk ǀƧfþŰf ǇdžŠ YĂǉ þĜɳŏƥ

ŧùŏƧfþŰf ýƑĜùʅĂ!f Ĝnjŏþ! Ƨ5Ăkk ǀƧfþƥ ÜŎƵĜdžkɳfĂ ĭþĜƮkpf ƔŖɳ ƧƮǉƵ ǇĂŧk ŧŏơħ ǋdžĜǉƧħ!f

Ĭùǁ Ƶ ǀƧþĜùp ǀƧfþƥ ÜǀþùǀƶdžfĂ ŧǁŏĂƱ!f ƘfĈfƧɳŰfĂ ŧŏƱfƧpĂƧŏħ ǇdžƵ ǁþŏƶħ Ŗ5ǉkĂ ƱƱƤk ŧŏơħ

Ŏù5 ƘfƧĜdžǁkùʅŮf ýŏɳƬùk Ŏ5 þƵĜʅkĂ ŧǀƱǉdž!f ǇĜŧʅ! ŧŏƵĜdžkɳŰfĂ ŧŏþĜƮkpŰf ŧŏdžǉk!f ƽŏǀơk

.ŧǀƱǉdž!f

(1997)

(1999)

[illegible]

[illegible] (2000) [illegible]

[illegible]

[illegible]

[illegible]

(2001)

(2002)

(2 [illegible]

[illegible] (1996) [illegible]

[illegible]

[illegible] (2006) [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] (2008) [illegible]

[illegible] (2008) [illegible]

[illegible] (3

[illegible] **(Brodzinska, 2007)** [illegible]

[illegible]

[illegible] **(2008)** [illegible]

[illegible]

[illegible]

[illegible] **(Perella, Gall, Marcheggian, 2010)** [illegible] (4) [illegible]

[illegible] **(Emelyanova, 2011)** [illegible] 31 [illegible]

[illegible]

[illegible] **(Balezentis, 2011)** [illegible] (16) [illegible]

[illegible] **(Symaniska, Clodowska, 2011)** [illegible] 2008 [illegible] 2007 [illegible]

ƘǄǶþùơǩ!ƒĂ ƗùǉǋƒƧ!ƒ Ɨ!ǄƠ!ƒ ƗǒǜƧƶ!ƒ Ɨ|ƱǉǆƸ!ƒ Ǒ5 ƗǆƒþǩƖǆ!ƒ ƗǑǆǉǩ!ƒ" ǇƒĂǉƶǜ Ǒǩǒǌ!ƒ ƗƖƒƧþ

ƗǆƒþǩƖùǆ!ƒ ƗǑǆǉǩ!ƒ ƘƒƧƬƋǆ Ǐ!ǫ ýƮĂǩ!ƒĂ ƗǆƒþǩƖǆ!ƒ ƗǑǆǉǩ!ƒ ǅǑǋǄƽǆ þǒþơǩ Ǐ!ǫ Ƙ5þǋ " Ɨǒǜ|ǩƖǆ!ƒ

.Ɨ|ƱǉǆƸ!ƒ Ǒ5 ƗǆƒþǩƖǆ!ƒ ƗǑǆǉǩ!ƒ ƘǄǶþơǩ Ǐ!ǫ Ɨ5ǄưǗǄǜ ƗǒǜƧƶ!ƒ Ɨ|ƱǉǆƸ!Ǆǜ

Ǐù!ǫ ƗùƖƒƧþ!ƒ Ƙ5þùǋ " ƧǲƒƨƞƸ!ƒ Ǒ5 ƗǆƒþǩƖǆ!ƒ ƗǑǆǉǩ!ƒ Ɨǒ!ǄǂƬǫ" ǇƒĂǉƶǜ ƗǉǒǆƖǄǒ ƗƖƒƧþ

. ƧǲƒƨƞƸ!ƒ Ɨ!ǄƠ ƗƖƒƧþ ýǗƤ ǇǆƸ ƗǑǆǄǉ!ƒ ýĂþ!ƒ Ǒ5 ƗǆƒþǩƖǆ!ƒ ƗǑǆǉǩ!ƒ Ɨǒ!ǄǂƬǫ Ɨƞ!Ǆƶǆ

Ǐ!ǫ Ƙ5þǋ ǑǜƧƶ!ƒ ǇƱĂ!ƒ Ǒ5 ǇǄƖǉǗƒ ƾĂ|ơĂ ƗǆƒþǩƖǆ!ƒ ƗǑǆǉǩ!ƒ :ǇƒĂǉƶǜ ǑƛƒƧơ!ƒ ƗƖƒƧþ

ǇƱĂù!ƒ Ǒù5 ƗǆƒþǩƖùǆ!ƒ ƗùǑǆǉǩ!ƒĂ ǑƥƧ!ƒ ƧǄƬǩǉƒ ǅǄǆƉ ǺǀƑǄƵ ƻǀǩ Ǒǩ!ƒ ƔǄǜƖǕƒĂ ýǆƒĂƶ!ƒ Ɨ5Ƨƶǆ

Þ. ǑǜƧƶ!ƒ

ƗùǑƶǒǜƱ!ƒ þƧƒĂùǆ!ƒ ýǗƺǩùƖƒ Ǒù5 ƽơ!ƒ ǇƱǜ ƗǆƒþǩƖǆ!ƒ ƗǑǆǉǩ!ƒ" ǇƒĂǉƶǜ ǐþǆǄƺ!ƒ ƗƖƒƧþ

ƗǒǜǃƖù!ƒ ǋƑǄùǩǉ!ƒĂ ƗùƛƒþƠ!ƒ ǅĂǌƽǆ! ǐþ|ǉ!ƒ ƯƒƧƶǩƖǗƒ Ǐ!ǫ Ƙ5þǋ ƗƑǒǜ!ƒ ƗǑǄǆƠ ǇƵ Ɨǒ!ĂƋƖǆ!ƒĂ

ƗùǑǆǉǩ!ƒ ǅĂùǌƽǆǜ ƻùǑƧǩ!ƒĂ ƗùƑǒǜ!ƒ ýǄùǌƞǆ Ǒ5 ƗƮǄƤĂ ƗǑǆǉǩ!ƒ ƗǑƧƱǉ Ǒ5 ǋǑǉǜǩ ǏǀƵ ƗǜǩƧǩǆ!ƒ

.ƗǆƒþǩƖǆ!ƒ

Ɨù|ƱǉǆƸ Ǒù5 ƗǑǀơǆ!ƒ ƘǄƶǆǩƞǆǀ! ƗǆƒþǩƖǆ!ƒ ƗǑǆǉǩ!ƒ ƘǄǑǉǄǂǆǫĂ ƴƥƒĂ" ǇƒĂǉƶǜ ǅ!ǄƖ!ƒ ƗƖƒƧþ

ƗǑǉǄǂƖù!ƒ ƘǄƶǆƞǩǀ! ƗǆƒþǩƖǆ!ƒ ƗǑǆǉǩ!ƒ ƘǄǑǉǄǂǆǫĂ ƴƥƒĂ ǏǀƵ ƻƧƶǩ!ƒ Ǐ!ǫ ƗƖƒƧþ!ƒ Ƙ5þǋ " ƩǄǜĂƱ

.ƩǄǜĂƱ Ɨ|ƱǉǆƸ Ǒ5

Ǐù!ǫ Ƙ5þǋ " ƗǆƒþǩƖǆ!ƒ ƗǑǆǉǩ!ƒ ƘǄǉǄǋƧĂ ǑǜƧƶ!ƒ ǑǉǑþǆ!ƒ ƴǆƶƞǆ!ƒ" ǇƒĂǉƶǜ Ǒ!ǄƺƸ!ƒ ƗƖƒƧþ

ǇǄùǑǜĂ ƗǆƒþǩƖùǆ!ƒ ƗùǑǆǉǩ!ƒ ƧǋǄƱǆ ƯƶǜƋ ƽǑ|ơǩ Ǒ5 ǑǜƧƶ!ƒ ǑǉǑþǆ!ƒ ƴƆƞǆ!ƒ ƧĂþ ǇǄǑǜĂ ƠǑưĂǩ

.ƗǆƒþǩƖǆ!ƒ ƗǑǆǉǩ!ƒ ýǄƞǆ Ǒ5 ǋǩƒƨǄƞǉƒĂ ǑǜƧƶ!ƒ ǑǉǑþǆ!ƒ ƴƆƞǆ!ƒ ƘǄǆĂ|ǆ

[illegible]

الفصل الثالث

الإجراءات المنهجية للدراسة الميدانية

- مجتمع الدراسة
- منهج الدراسة
- عينة الدراسة
- صدق الأداة
- ثبات الأداة
- المعالجات الإحصائية

[illegible]

[illegible]

[illegible]

[illegible]

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[illegible]

[illegible]

[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible] (219) [illegible]

- (33) [illegible]

(2013 [illegible]

ƗùŏƧŏƤ!ƒ ƘƠùŏƶďƞ!ƒ ƗùǁƲďž Ƙùơƙ ƗŏƵƠďžƙƞǗƒ ƗŏďžǉƙǃƒƖƧƒƨĂ! ƴƞƠƙ ƳĂƧƬďž ƔơƠƮ (150) -

Ɨŏ!ƠďžƬù!ƒ ƗùŏƥƠƕ!ƒ ƇƒĂùǁ! ƗŏƵƠďžƙƞǗƒ ƗŏďžǉƙǃƒƗŏƧŏƥďž) ƗŏƿƧƬ!ƒ Ɨŏ!ƠďžƬ!ƒ ƗŏƥƠƕ!ƒ ƇƒĂ! Ŏƽ ƖƥĂƞĂďž!ƒ

(2013 ǗƗŏƿƧƬ!ƒ

ƗùŏǉĂƠƶƙ!ƒ ƘƠùŏƶďƞ!ƒ ƗǁƲďž Ƙơƙ ƗŏǉƥƧǕƒ ƗŏǉĂƠƶƙ!ƒ ƗƪƪƋďžǁ! ƴƞƠƙ ƳĂƧƬďž ƔơƠƮ (36) :ƥƙǁƥƙ

ǗƽƧùƽďž!ƒ ƗƲƽƠơďž ƔƙǂďžǗƗŏǉƥƧǕƒ ƗŏǉĂƠƶƙ!ƒ ƗƪƪƋďž!ƒ) ƗŏƿƧƬ!ƒ Ɨŏ!ƠďžƬ!ƒ ƗŏƥƠƕ!ƒ ƇƒĂ! Ŏƽ ƖƥĂƞĂďž!ƒ

.(2013

ƕƨƐƥƍǁƐ ƛǋǆďǅ

ƗùŏƥƠƕ!ƠƕƖƦǉďž!ƒ ƗŏĂďžǉƙ!ƒ ƴŏƧƠƬďž!ƒ ƔƠơƮǕ ƴďžƠƬ!ƒ ƠƪďžƒǋǉďžĬǁƵ ƗƪƒƧƥ!ƒ ƘƥďžƙƵƒ

.ƗŏƿƧƬ!ƒ Ɨŏ!ƠďžƬ!ƒ ƗŏƥƠƕ!ƠƕƗŏĂďžǉƙ!ƒ ƴŏƧƠƬďž! ƖƦǉďž!ƒĂ ƗďžƵƒƥ!ƒĂ Ɨ!Ăďžďž!ƒ ƘƠǌƞǁ!Ă ƗŏƿƧƬ!ƒ Ɨŏ!ƠďžƬ!ƒ

ƗùŏƥƠƕ!ƒ ƇƒĂù! Ŏùƽ ƖƦùǉďž!ƒ ƗŏĂďžǉƙ!ƒ ƴŏƧƠƬďž!ƒ ƔƠơƮǕ ƴďžƠƬ ƠƪďžƗŏǁďžƵ Ƙďžƙ Ɨŏơ

ƇƒĂùǁƕ ƗŏĂďžǉƙ!ƒ ƴŏƧƠƬďžǁ! ƖƦǉďž!ƒĂ ƗďžƵƒƥ!ƒĂ Ɨ!Ăďžďž!ƒ ƘƠǌƞǁ! ƴďžƠƬ Ơƪďž ƗŏǁďžƵĂ ƗŏƿƧƬ!ƒ Ɨŏ!ƠďžƬ!ƒ

.ƗŏƿƧƬ!ƒ Ɨŏ!ƠďžƬ!ƒ ƗŏƥƠƕ!ƒ

ƳĂƧƬùďž ƔơƠùƮ (219) ƴùƮǄ ǇďžƳĂƧƬďž ƔơƠƮ (200) ĬǁƵ ƴĂƮơ!ƒ ǅƙ Ɨŏơ

.ƗŏƿƧƬ!ƒ Ɨŏ!ƠďžƬ!ƒ ƗŏƥƠƕ!ƒ ƇƒĂ! ĬǁƵ ǇŏƵƨĂďž %91.3 ƘƷǁƕ ƗƕƪǉƕƗ

:Ŏǁŏ Ơďžƕ ƴŏƧƠƬďž!ƒ ƔƠơƮǄ Ǉďž (19) ĬǁƵ ƴĂƮơ!ƒ ǄƥƵ ƔƕƪƗơƠƕ!ƒ ƧƧƕŏĂ

- ǁƠǉǋ ƥƥƵ Ǉďž ƘƠǉƠƕƙƪǗƒ ǅƙ ƠǌƽǚƙƍĂ ƘƷǁƕĂ (7) ƘƠǉƠƕƙƪƒ.

- ǅ! ƗǂďžƙŏƠƕ!ƒ ǇďžƴĂƮĂ!ƒ Ĭ!ƍ ƥƥƵ ƴŏƧƠƬďž!ƒ ƔƠơƮǄ Ǉďž ƔƕƪƕƧŏŏƷƙ ǇǂƠďžǄ ǅǌǉƙďžƠƥƍ

.ƘƠǉƠƕƙƪƒ (6) ǅǋƥƥƵ ƸǁƕĂ

- ǁƠǉǋ ƘƠǉƠƕƙƪƒ ƘƥŏƵǄ ǇĂƥ ǇǄ ƔƠƞŏ ƠǌŏǁƵ ǇďžƴƕƿǁƠĂơƕďž!ƒ ǇŏƛĂơƕďž!ƒ ĂƵƥƥǋǅ (4)

- ǁƠǉǋ ƘƠǉƠƕƙƪƒ ǄǁƙƽƘ ƔƕƪƕƧǋƠƬƙ ƗƕƠƞǗƒ ƴŏďžƞ! ƘƒƧƗƽ ƘƠǉƠƕƙƪƒǗƗ ƠǋƥƥƵĂ (3) ƘƠǉƠƕƙƪƒ.

[illegible]

.[illegible] 10

[illegible]

[illegible]

.[illegible]

[illegible] (96) [illegible]

:[illegible]

1- .[illegible]

2- [illegible]

3- [illegible]

4- [illegible]

5- [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ƑNJƗ ʅ ҕFďźĎŽNj ƛǝƑƗďǁǁƐ ƒ ϸY

ƕ ƨ Ɛϸơǁǁ ƱĎŽƗƜĎŽ

LJùďž ýďžĆT!ƒ Ơʅďž!ƒ ƗǀŏƧƱƕ ĎžNjƧĈŏƙƤƒ Ďžƙ Ɨ ĈǈǗƒĂ ƧĂǂƦ!ƒ LJďž (200) Ɨ ʅƒƧϸ!ƒ yďžƙɳďž Ʃƕ

.Ʃ ǉɳ!ƒ Ƨŏʒƙďž! ƞƕƙ Ɨ ʅƒƧϸ!ƒ yďžƙɳďž ϸƒƧƽ yŏƨĂƙ Ơư Ăŏ (1) ýĂϸɳ ǕƗ ʅƒƧϸ!ƒ yďžƙɳďž

Ƨ ďžƜǁƐ ϸǯƩƗĎŽǁ ƕǯNjǝĎŽǁƐ ƕĈƨďžǁƐNj ǀ ƐϸƐϸǀƗǁƐ (**1**)üNjơƜ

Ɨƕ ʅ ǜ ù ǉ!ƒ % ƗŏĂƑďž!ƒ	ƘƒƧƒƧǂƙ!ƒ	Ʃ ǉɳ!ƒ
65	130	ƧǂƦ
35	70	Ĭ ƛǉƊ
100	200	YĂďžɳďž!ƒ

(130)Ƙùʒƕ (Ƨù ǂƦ) Ʃ ǉɳ!ƒ Ƨŏʒƙďž! ƗŏĂƑďž!ƒ Ɨƕ ʅ ǉ!ƒĂ ƘƒƧƒƧǂƙ!ƒ LJƊ (1)ýĂϸɳ LJďž ƧǌƱŏ

.Ɨ ʅƒƧϸ!ƒ yďžƙɳďž LJďž (%35)Ɨƕ ʅ ǉƕ (70) (Ĭ ƛǉƊ)Ă Ǖ(%65)Ɨƕ ʅ ǉƕ

Ĭ ĎŽǐǂyƗǁƐ njNjƗ ƨ ĎŽǁƐ ϸǯƩƗĎŽǁ ƕǯNjǝĎŽǁƐ ƕĈƨďžǁƐNj ǀ ƐϸƐϸǀƗǁƐ (**2**)üNjơƜ

% ƕǯNjǝĎŽǁƐ ƕĈƨďžǁƐ	ǀ ƐϸƐϸǀƗǁƐ	Ĭ ĎŽǐǂyƗǁƐ njNjƗ ƨ ĎŽǁƐ
21	42	Ŏ ʅ Ĝ ʅ Ɗ
37.5	75	ĭ ĂǉĜƛ
11	22	ĎžĂǁƕϸ
22	44	Ʃ ĂŏƧĂ!Ĝǂƕ
8.5	17	ĜŏǁƵ ƘĈ ʅ ƒƧϸ
100	200	YĂďžɳďž!ƒ

(Ŏù ʅ Ĝ ʅ Ɗ)Ŏùďžŏǁƶƙ!ƒ ăĂƙ ʅ ďž!ƒ Ƨŏʒƙďž! ƗŏĂƑďž!ƒ Ɨƕ ʅ ǉ!ƒĂ ƘƒƧƒƧǂƙ!ƒ LJƊ (2)ýĂϸɳ LJďž ƧǌƱŏ

(22)Ƙùʒƕ (ĎžĂùǁƕϸ)Ă Ǖ(%37.5)Ɨƕ ʅ ù ǉƕ (75)Ƙùʒƕ (ĭ ĂǉĜùƛ)Ă Ǖ(%21)Ɨƕ ʅ ù ǉƕ (42)Ƙʒƕ

(17)Ƙùʒ (Ǵùǒ Ƶ ƘǴù ƪƒƧþ)Ă Ü(%22)Ɨƪùǉ (44)Ƙùʒ (ΣĂǒƧĂ!Ǵùǂ)Ă Ü(%11)Ɨƪùǉ

.Ɨƪ ƒƧþ!ƒ ƴǆƙŋǆ Ǉǆ (%8.5)Ɨƪǉ

ƕŤƳƑǅƗШǗɛ ƕǁƑϴǁɛ ϸĭƸƗǅǁ ƕŤǋǝǅǁɛ ƕǴƨǁɛǋ ƖƐþƐǀƗǁɛ (**3**)üǋqШ

% ƕŤǋǝǅǁɛ ƕǴƨǁɛ	ƖƐþƐǀƗǁɛ	ƕŤƳƑǅƗШǗɛ ƕǁƑϴǁɛ
20	40	ƔƨƵ
78.5	157	ШĂƨƙǆ
0	0	ƽƱǆ
1.5	3	ýǆƧ
100	200	ƳĂǆŋǆ!ƒ

(ƔƨùƵ)ƗùǒƵǴǆƙŋǗƒ Ɨ!Ǵơ!ƒ Ƨǒʒƙǆ! ƗǒĂƑǆ!ƒ Ɨƪǉ!ƒĂ ƘƒƧƒƧǂƙ!ƒ Ǉ (3)ýĂþŋ Ǉǆ Ƨǌƶǒ

(0)Ƙùʒ (ƽùƱǆ)Ă Ü(%78.5)Ɨƪùǉ (157)Ƙùʒ (ШĂƨùƙǆ)Ă Ü(%20)Ɨƪùǉ (40)Ƙʒ

.Ɨƪ ƒƧþ!ƒ ƴǆƙŋǆ Ǉǆ (%1.5)Ɨƪǉ (3)Ƙʒ (ýǆƧ)Ă Ü(%0)Ɨƪǉ

Ǆǁ ƨǁɛ ƕŤǀǂǅ Ʊǋǆ ƕŤǋǝǅǁɛ ƕǴƨǁɛǋ ƖƐþƐǀƗǁɛ (**4**)üǋqШ

% ƕŤǋǝǅǁɛ ƕǴƨǁɛ	ƖƐþƐǀƗǁɛ	Ǆǁ ƨǁɛ ƕŤǀǂǅ Ʊǋǆ
66.5	133	ǁǆ
15.5	31	Ƨŋƙƪǆ
18	36	ƗƑǴƶ!ƒ ƴǆ ǁƧƙƬǆ
100	200	ƳĂǆŋǆ!ƒ

(ǁùǆ)ǇǂƪùƒƗùǒǂǆ ƳĂǉ Ƨǒʒƙǆ! ƗǒĂƑǆ!ƒ Ɨƪǉ!ƒĂ ƘƒƧƒƧǂƙ!ƒ Ǉ (4)ýĂþŋ Ǉǆ Ƨǌƶǒ

(ƗùƑǴƶ!ƒ ƴùǆ ǁƧƙƬùǆ)Ă Ü(%15.5)Ɨƪǉ (31)Ƙʒ (Ƨŋƙƪǆ)Ă Ü(%66.5)Ɨƪǉ (133)Ƙʒ

.Ɨƪ ƒƧþ!ƒ ƴǆƙŋǆ Ǉǆ (%18)Ɨƪǉ (36)Ƙʒ

ƔƥƨǓǫ ǫǫƥʒǒ ǫǫƳ ƥǯǂǅǁ ƕǯǸǊǅǁ ƕǴƨǁǁǸ ƖƐƥƐƥǀǂǁ (**5**)üǸǫǁ

% ƕǯǸǊǅǁ ƕǴƨǁǁ	ƖƐƥƐƥǀǂǁ	ƔƥƨǓǫ ǫǫƥʒǒ ǫǫƳ
9	18	2- 1
48	96	5 Ǉ3
28	56	8 Ǉ6
15	30	Ƨƛǂǳ 9
100	200	ƳĂǆƞǆ!ƒ

(2-1)ƖƧùƪǕƒ ƥƒƧùǳ ƥƥùƵ ƧǒʒǨǆ! ǂǒĂƒǆ!ƒ ǂǁƪǇ!ƒĂ ƘƒƧƒƧǂǨ!ƒ ǇǇ (5)ýĂƥƞ Ǉǆ ƧǌǓǒ

(56)Ƙùùʒǁ (8- 6)Ă Ü(%48)ǂǁƪùùǇǁ (96) Ƙùùʒǁ (5- 3)Ă Ü(%9)ǂǁƪùùǇǁ (18)Ƙùùʒǁ

.ǂƪƒƧƥ!ƒ ƴǆǨƞǆ Ǉǆ (%15)ǂǁƪǇǁ (30)Ƙʒǁ (Ƨƛǂǳ 9)Ă Ü(%28)ǂǁƪǇǁ

ăƥǋƪǁ üǈǫǁ ƥǯǂǅǁ ƕǯǸǊǅǁ ƕǴƨǁǁǸ ƖƐƥƐƥǀǂǁ (**6**)üǸǫǁ

% ƕǯǸǊǅǁ ƕǴƨǁǁ	ƖƐƥƐƥǀǂǁ	ăƥǋƪǁ üǈǫǁ
29.5	59	199 ýƿǳ
42.5	85	299- 200
18	36	399- 300
10	20	Ƨƛǂǳ 400
100	200	ƳĂǆƞǆ!ƒ

ƧǴùǇǒƥ 199) ǐ ƧǌƬ!ƒ ýƤƥ!ƒ ƧǒʒǨǆ! ǂǒĂƒǆ!ƒ ǂǁƪǇ!ƒĂ ƘƒƧƒƧǂǨ!ƒ ǇǇ (6) ýĂƥƞ Ǉǆ ƧǌǓǒ

-300)Ă Ü(42.5%) ǂǁƪùǇǁ (85) Ƙʒǁ (ƧǴǇǒƥ00-299 2)Ă Ü(29.5%) ǂǁƪǇǁ (59) Ƙʒǁ (ýƿǳ

Ǉùǆ (10%) ǂǁƪùǇǁ (20) Ƙùʒǁ (Ƨƛǂǳ ƧǴǇǒƥ 400) Ă Ü(18%) ǂǁƪǇǁ (36) Ƙʒǁ (ƧǴǇǒƥ 399

.ǂƪƒƧƥ!ƒ ƴǆǨƞǆ

ϬNjþ̈ǅǁǁ þĭǮ þǬǊ üǬǫ ăϲ ǫNjǁNjǁ ƕǐNjǝǅǁǁ ƕƓƨǅǁǁNj ǀƹþƹþǀƚǁǁ (7)üNjǫǁ

% ƕǐNjǝǅǁǁ ƕƓƨǅǁǁ	ǀƹþƹþǀƚǁǁ	üǬǫǁǁ ǫNjǁNj
42	84	Ǆƶǈ
58	116	Ű
100	200	YĂǆƞǆ!ƒ

ƧùŏƸ ƧùƤϲ ýùƤþ ĭǅ þĂƞĂ ƧŏǯǆǄ! ƚŏĂƒǆ!ƒ ƚǉ̈ǈ!ƒĂ ƘƒƧƒƧǂǃ!ƒ Ǉǅ (7)ýĂþƞ ǇǄǆ ƧnjǓŏ

.ƚ̈ƒƧþ!ƒ yǆǃƞǆ ǇǄǆ (%58)ƚǉ̈ǈǉ (116) (Ű)Ă Ü(%42)ƚǉ̈ǈǉ (84)Ƙƺǉ (Ǆƶǈ) YĂƧTǆ!ƒ

ϬNjþ̈ǅǁǁ þĭǮ þǬǊ üǬǫ þǫTǅ ǫNjǁNj þĭƸƚǅǁ ƕǐNjǝǅǁǁ ƕƓƨǅǁǁNj ǀƹþƹþǀƚǁǁ (8)üNjǫǁ

% ƕǐNjǝǅǁǁ ƕƓƨǅǁǁ	ǀƹþƹþǀƚǁǁ	üǬǫǁǁ
28.5	84/57	ŎǆĂǂơ
6	84/12	ƚŏǈϬĂ ƚǈĂƶǆ
5.5	84/11	ƒ ǴP ýǆƵ
2	84/4	ǁ!Ʀ Ƨŏƹ
100/42	200/84	YĂǆƞǆ!ƒ

ƧùŏƸ ƧùƤϲ ýùƤþ þĂùƞĂ ƧŏǯǆǄ! ƚŏĂƒǆ!ƒ ƚǉ̈ǈ!ƒĂ ƘƒƧƒƧǂǃ!ƒ Ǉǅ (8) ýĂþƞ ǇǄǆ ƧnjǓŏ

YĂùǆƞǆ!ƒ ǇǄǆ (%42)ƚǉ̈ǈǉ YĂƧTǆ!ƒ Ƨŏƹ ƧƤϲ ýƤþ ǇĂǂǃǆŏ ƒ ƤT (84) ǇǴǂ ǂŏơ YĂƧTǆ!ƒ

(ƚŏǈϬĂ ƚǈĂƶǆ)Ă Ü(28.5%) ƚǉ̈ǈǉ (57) Ƙƺǉ) ŎǆĂǂơ:(Ŏ!Ǵ!ƒ Ăơǈ!ƒ ĬǆƵ ƘƵƨĂǃ ƚǈŏƶǆ! Ŏǂ!ƒ

(4) Ƙùƺǉ (ǁ ù!Ʀ Ƨŏƹ)Ă Ü(5.5%) ƚǉ̈ǈǉ (11) Ƙƺǉ (ƒ ǴP ýǆƵ)Ă Ü(6%) ƚǉ̈ǈǉ (12) Ƙƺǉ

.ƚ̈ƒƧþ!ƒ yǆǃƞǆ ǇǄǆ (2%) ƚǉ̈ǈǉ

ƴƥƨǚǁ ƱǋƥƮǅǁǃ üǇǈ ƾǏƨǀ ƥǏƸǅǁ ƾǓǋǒǅǁǃ ƾǴƨǁǃǋ ƚƐƥƥǀǃǁǃ (**9**)üǋǈǁ

% ƾǓǋǒǅǁǃ ƾǴƨǁǃ	ƚƐƥƥǀǃǁǃ	
9	116/18	ǅƺǇ
49	116/98	Ǔ
100/58	200/116	ƳǍǆƞǆ!ƒ

ǀƧùƮǖ! ƳǍƧƬǆ!ƒ ýƤƥ ƚǒǴƫƚ ƧǒʒǁƐ! ƚǑǍƑǆ!ƒ ƚǇƮǇ!ƒǍ ƘƒƧƒƧƚǁ!ƒ ǇǄ (9) ýǍƥƞ ǇǆǄ ƧǋǓǒ

ƳǍùǆƞǆ!ƒ ǇùǆǄ (%58)ƚǇƮǇǇ ƳǍƧƬǆ!ƒ Ƨǒƺ ƧƤƈ ýƤƥ ǐǄ ǇǍƚǁǁǆǒ Ǔ ƒ ƤƬ (116) ǇǴƚ ƚǒơ

(98) Ǎ ǅǋƧùƮǕ Ǒùƻƚǒ ǅùǌ! ƳǍƧƬùǆ!ƒ ýƤƥ (%9)ƚǇƮǇǇ (18)ǅǌǇǆ ǇǴƚ ƚǒơ ƴǆƙƞǆǁ! Ǒǁƚ!ƒ

.ǅǋƧƮǕ Ǒƻƚǒ Ǔ ƳǍƧƬǆ!ƒ ýƤƥ (%49)ƚǇƮǇǇ

ƱǋƥƮǅǁǃ ƾƨƬ ƥǏƸǅǁ ƾǓǋǒǅǁǃ ƾǴƨǁǃǋ ƚƐƥƥǀǃǁǃ (**10**)üǋǈǁ

% ƾǓǋǒǅǁǃ ƾǴƨǁǃ	ƚƐƥƥǀǃǁǃ	ƱǋƥƮǅǁǃ ƾƨƬ
59	118	ǅƑƒƥ
41	82	ǑǆƮǍǆ
0	0	ăƧƤ
100	200	ƳǍǆƞǆ!ƒ

(ǅùƑƒƥ)ƳǍƧƬùǆ!ƒ ƚƻùƬ ƧǒʒǁƐ! ƚǑǍƑǆ!ƒ ƚǇƮǇ!ƒǍ ƘƒƧƒƧƚǁ!ƒ ǇǄ (10) ýǍƥƞ ǇǆǄ ƧǋǓǒ

ǇùǆǄ (%0)ƚǇƮùǇǇ (0)(ăƧùƤ)Ǎ Ü(%41)ƚǇƮùǇǇ (82) (ǑǆƮǍǆ)Ǎ Ü(%59)ƚǇƮǇǇ (118)Ƙʒǁǁ

.ƚƮƒƧƥ!ƒ ƴǆƙƞǆ

[illegible] (**11**) [illegible]

% [illegible]	[illegible]	[illegible]
72.5	145	[illegible]
26	52	[illegible]
1.5	3	[illegible]
100	200	[illegible]

[illegible] (11) [illegible] ([illegible]) [illegible] (145) [illegible] (72.5%) [illegible] ([illegible]) [illegible] (52) [illegible] (26%) [illegible] ([illegible]) [illegible] (3) [illegible] (1.5%) [illegible].

[illegible]

[illegible] (One way ANOVA) [illegible]

.[illegible] (T-test) (K) [illegible]

:[illegible]

[illegible]	[illegible] 1.49
[illegible]	2.49 [illegible] 1.5
[illegible]	3.49-2.5
[illegible]	4.49-3.5
[illegible]	[illegible] 4.5

[illegible]

[illegible]

[illegible] (**12**) [illegible]

[illegible]	χ2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0.00	407.00	[illegible]	1	0.56	4.70	[illegible]	1
0.00	46.65	[illegible]	11	1.15	3.63	[illegible]	2
0.00	134.48	[illegible]	5	0.75	4.39	[illegible]	3
0.00	74.08	[illegible]	12	2.23	3.23	[illegible]	4
0.00	154.85	[illegible]	8	1.01	4.17	[illegible]	5
0.00	380.74	[illegible]	3	0.91	4.54	[illegible]	6
0.00	222.28	[illegible]	2	0.67	4.59	[illegible]	7
0.00	216.00	[illegible]	7	0.72	4.35	[illegible]	8
0.00	125.35	[illegible]	9	0.91	4.06	[illegible]	9
0.00	282.85	[illegible]	4	0.72	4.52	[illegible]	10

						[illegible]	
0.00	109.60	[illegible]	10	0.89	3.80	[illegible]	11
0.00	128.60	[illegible]	6	0.85	4.36	[illegible]	12
				0.52	4.19	[illegible]	

[illegible] (4.70 – 3.23) [illegible] (1) [illegible] (4.19) [illegible] 0.56 [illegible] 4.70 [illegible] (7) [illegible] (0.67) [illegible] (4.59) [illegible] (4) [illegible] (2.23) [illegible] (3.23) [illegible]

Ŧùŏďžǁǰƙ!ƒ Ĭù!ǫ Ƙùƶ5ƥ Ŏùƙ!ƒ ƘĜŏƥơƙ!ƒ ăĂƙʅďž ǇĐ ǇĴŏǁƙ ĎĜƵ ý‡ŢǁĂ ÜŦǁʅĜǰďž Ŧŏďž‡ǁ ǀƧ5Ăƙďž ĜďžǁǰǫĂ

ǇJùďžĂ .ŦǀǁĜʅù!ƒ ǋƑĜùƙǁǰ!ƒ ǋŏ!ǫ ƘƧĜŢĐ Ĝďž Ɣʅơ ƴ5ƙƧďž ǇĴ‡ ŦŏƥƧŢ!ƒ Ŧŏ!ĜďžŢ!ƒ ŦŏƥĜǁ!ƒ Ŏ5 Ŧďžƒƥƙʅďž!ƒ

ƴùŏďžƞ! 0.05 Ŧ!Ǚƥ ăĂƙʅďž ƥǰƵ ƘĜǁĜƞǗƒ ƧƒƧ‡ƙ! ŦŏƑĜŢơǫ Ŧ!Ǚƥ ƥĂƞĂ ǇĴŏǁƙ ĭĜ‡ ƧĜǁƙƤƒ ýǙƤ

Ƙǁù ŢĂƙ Ĝďž ƴďžĂ ĈƒƧǀƨ!ƒĂ Ƨǀƨ!ƒ ǇƒĂǰƶǁ (2002) Ŧǁ!ƒĂƱ!ƒ Ŧʅƒƨƥ ƴďž Ŧƞŏƙǰ!ƒ ǰƦǋ ƽ5ƙƙĂ ÜŦǁƑʅǗƒ

ĭƥĜŢƙƥǗƒ Ăďžǰ!ƒ ǇĐ ǁ!Ʀ‡ Üĭ ƥĜŢƙƥǗƒ Ăďžǰ!ƒ ƴďž Ĝŏʅ‡Ƶ ĜƱĜǁƙƧƒ Ʊǁƙƨŏ Ƨǀƨ!ƒ ǇĐ Ĭ!ǫ Ŧʅƒƨƥ!ƒ ǋŏ!ǫ

Ŏǋ Ŧŏďžǰƙǁ! ŦơƞĜǰ Ŧǁŏʅ Ă ĭĐ Ŏ5 ĈƒƧǀƨǁ! ŦŏĜďžơ ýư5Đ ǇƒĂ Ŧŏďžǰƙ!ƒ ƽŏǀơƙ Ŏ5 ŎʅĜʅǗƒ ƱƧŢ!ƒ Ăǋ

Ǉƒ Ŧùʅƒƨƥ!ƒ Ƙǰŏǁ Ŧŏơ (1996)ƧĜƨơ!ƒ Ŧʅƒƨƥ ƴďž ƽ5ƙƙĂ .Ăďžǰ!ƒ ŦŏǁďžƵ Ŏ5 Ŧ‡ƧĜŢďž!ƒ Ǉďž Ďǋǰŏ‡ďžƙ

Ĝùďžǋǚ‡Ă ŦùƑŏǁ!ƒ ĬǁƵ ƱĂƺư!ƒ ǀƥĜŏƨĂ Ŧŏ!Ĝƶ!ƒ ŎǰĜ‡ʅ!ƒ Ăďžǰ!ƒ ƘǗƥƶďž ĬǁƵ ĈĜǀǁǗƒ Ŏ5 Ďǋʅŏ Ƨǀƨ!ƒ

.Ƨǀƨ!ƒ ƥďžĐ Ŧ!ĜƱǫ Ŏ5 ĜďžǋƧĂƥǁ ǇĜďžǋʅŏ

Ŧùƛǚƛ ǁĜǰǋ Ƙǰŏǁ Ĝǋǰĭ Ŧŏơ ǁ!Ʀ Ŏ5 (2006) ŎƛƒƧơ!ƒ Ŧʅƒƨƥ ƴďž Ŧʅƒƨƥ!ƒ ǰƦǋ Ƙ5ǁƙƤƒĂ

Ŏù5 ĎǋĜùʅ ƥùƥ ǁ!Ʀǁ ǇĂ‡ŏ Ďƒƥƙʅďž!ƒ Ŏǁƨƶ!ƒ ƳĂƧŢďž!ƒ ĜǋƨĂĜƞƙ Ĝďž ƒƦǫ Ŏƙ!ƒĂ ƔĜǁʅĐ ĂĐ ýďžƒĂƵ

Ŧùŏďžǰƙǀ Ŧùŏďžǰƙ!Ĝǁ ǋùƙƥǚƵĂ Ŏǰŏƥ!ƒ ƔĜƱƤ!ƒ ŎǋĂ ƔĂǁƱďž!ƒ Ŏǁƨƶ!ƒ ĭĂďžǰƙ!ƒ ƳĂƧŢďž!ƒ ƒŏƤŢƙ

.Ŏ5Ĝǀƛ!ƒ Ŧƒƨƙ!ƒĂ Ďǁƶ!ƒ ǇŏƱĂƙ -ǇĜʅǰǗƒ ƽĂǀơ

ƨùƑƒƺƞ!ƒ Ŏù5 Ŧďžƒƥƙʅďž!ƒ Ŧŏďžǰƙ!ƒ Ŧŏ!Ĝ‡Ţǫ ǇƒĂǰƶǁ Ƙǰĝ‡ Ŏƙ!ƒĂ (2009) ŦǰŏďžʅĜŏ Ŧʅƒƨƥ ĜďžĐ

Ŧùŏďžǰƙ!ƒ ƘĜŏƞŏƙƒƧƙʅƒĂ ƧŢĜǰƵ ý‡ Ŧʅƒƨƥ Ǉďž ƥǁǗ ǋǰĐ Ƙǰŏǁ Ĝǋǰĭ Ŏ5 Ŧʅƒƨƥ!ƒ ǰƦǋ ƴďž Ƙ5ǁƙƤƒ ƥǀ5

ŦŏƞŏƙƒƧƙʅǗƒ ŦƶŏǁƱ ĂĐ ŦŏƞĂ!ĂƥŏǕƒ Ŏǰƶďž!ƒ ƥǁǁ!ƒ ŦďžĂ‡ơ Ŏ5 ŦǁƛďžƙďžƒĂ Ŧŏďžǰǁ!ƒ ýĂƥ!ƒ Ŏ5 Ŧďžƒƥƙʅďž!ƒ

ƽĂʅù!Ĝ‡ Ŏ!Ăƥù!ƒ Ʊŏơďž!ƒĂ ŦŏƞƧĜƤ!ƒ ƘƒƧƥǀ!ƒ Ŏǁơďž!ƒ ƧĜƤƥǗƒ ýƛďž ŦŏǁơĐ!ƒ ƘĜƥĜƱ!ƒ ĂĐ Ƙƒƨƥǀ!ƒ

ŦŏƥĜŢùƙƥǗƒĂ ŦŏʅĜŏʅù!ƒĂ Ŧùŏ5Ĝǀƛ!ƒ ŦùŏƵĜďžƙƞǗƒ Ɣǰƒƞ!ƒ ĬǁƵ ƨƛƌŏ Ĝďž ý‡ Ĭ!ǫ Ŧ5Ĝư ǫ Ŏďž!Ĝƶ!ƒ

ŦùŏǰƱĂ!ƒ Ơ!ĜŢùďž!ƒ ƯƧĜƶƙƙ ǇĐ ǇĂƥ ŦǁďžĜŢ ŦŏďžǰƙĂ Ďŏƥƙʅďž ǇƺƒĂƙ Ĭ!ǫ ýŢŏ ĬƙơĂ ŦŏƥǚƤǗƒĂ

[illegible]

[illegible] (13) [illegible]

[illegible]

[illegible]	χ2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	No.
0.00	47.6	[illegible]	8	1.10	3.10	[illegible]	1
0.00	56.0	[illegible]	9	1.06	3.04	[illegible]	2
0.00	212.8	[illegible]	1	2.86	3.76	[illegible]	3
0.00	64.7	[illegible]	5	1.04	3.26	[illegible]	4
0.00	114.9	[illegible]	3	1.03	3.42	[illegible]	5
0.00	80.9	[illegible]	10	0.98	2.96	[illegible]	6
0.00	106.9	[illegible]	4	1.07	3.38	[illegible]	7
0.00	101.3	[illegible]	6	0.95	3.21	[illegible]	8
0.00	78.8	[illegible]	7	1.06	3.19	[illegible]	9
0.00	195.2	[illegible]	2	0.92	3.73	[illegible]	10
0.00	65.3	[illegible]	11	1.04	2.90	[illegible]	11
				0.72	3.27		[illegible]

ŧŏ!ǴďŢù!ƒ ŧŏƥǴŀ!ƒ Ŏ5 ŧďžƒƥƙƪďž!ƒ ŧŏďžǉƙǃ! ŧŏơƮ!ƒ Ƙƒƥƒǵƶ!ƒ ăĂƙƪďž Ĭ!ǫ ƭŀǴƪ!ƒ ýĂƥƞ!ƒ ƧŏŢŏ

Ʊùƪ Ăƙďž!ƒ ƴùďž ŧùǉƧǴǀďž!ǴŀŽ (3.76 Ü2.90) ǇŏùŀŽ ŧŏŀǴƪơ!ƒ ƘǴƱƪĂƙďž!ƒ ƘơĂƒƧƙ ŧŏơ Üŧŏ ƥƧŢ!ƒ

ŎơƮù!ƒ ŎƵĂ!ƒ ǀƥǴŏƨ"Ĭǃ Ƶ ƒ ǉƙ Ŏƙ!ƒ ǀƧǀƺ!ƒ ƘǴǴƞ Ʀǫ . (3.27) Ƹ!ǴŀŽ!ƒ ăĂƙƪďžǃ! ǄǴƶ!ƒ ŎŀǴƪơ!ƒ

2.86 ĭƧǴŏƶďž ƻƒƧơǉƒĂ 3.76 ŎŀǴƪơ Ʊƪ ĂƙďžŀŽ Ĭ!ĂǕƒ ŧŀƙƧďž!ƒ Ŏ5 ".ŎơƮ!ƒ ƻŏǀƛƙ!ƒ ýǚƤ ǇǊďž

Ǆƙùǌƙ" ƒ ǉùƙ Ŏƙ!ƒ ǀƧǀƺ!ƒ ǴǌŏǃŏĂ ǄǴƶ!ƒ ĭƧǴŏƶďž!ƒ ƻƒƧơǉǓƒĂ ǄǴƶ!ƒ ŎŀǴƪơ!ƒ Ʊƪ Ăƙďž!ƒ ƴďž ŧǉƧǴǀďž!ǴŀŽ

ƻƒƧùơǉƒĂ 3.42 ŎŀǴƪơ Ʊƪ ĂƙďžŀŽ "ŧďžǴƶ!ƒ ŧďžǘƪ!ƒĂ ŧơƮǃ! ƘƒƧĂƥ ƥǀƶŀŽ ƴŏƧǴŢďžǃ! ǀƦƺǉďž!ƒ ŧƑŏǌ!ƒ

ǀƧƒƨĂ ƒ ǴƮƙƤƒ ǇǊďž Ŏǋ ŧŏơƮ!ƒ ƘǴďžƥƤ!ƒ ǇǅĬ!ǫ ƥĂƶŏ ǁ!Ʀ ǇǊŀŽ ŧơǴŀ!ƒ ăƧŏĂ .1.03 ĭƧǴŏƶďž

ƥǀƶŀŽ ǄĂǀƙ ƴŏƧǴŢďžǃ! ŧ!Ăďžďž!ƒĂ ŧďžƵƒƥ!ƒ ƘǴǌƞ!ƒ ǇǫĂ ŧŏƥǴŀ!ƒ Ŏ5 ǀƧŢƙǉďž!ƒ ŧŏơƮ!ƒ ƨŧƒƧďž!ƒĂ ŧơƮ!ƒ

.ƴŏƧǴŢďž!ƒ Ŏ5 ŧŏ!ĂǕƒ ƘǴ5Ǵƶƪ Ǔƒ Ƨŏ5ĂƙĂ Üƴďžƙƞďž!ƒ ǴǉŀǕ ŧŏơƮ ŧŏƺŏǀƛƙ ƘƒĂƥǉĂ ƘƒƧĂƥ

"ŧŏƥǴŀ!ƒ ǇǴŧƪ! ŧŏơƮ ƘǴďžƥƤ ŧŏĂďžǉƙ!ƒ ƴŏƧǴŢďž!ƒ ýƺŧƙ"Ĭǃ Ƶ ƒ ǉƙ Ŏƙ!ƒ ǀƧǀƺ!ƒ ƘǃƮơ Ǵďžŏ5

Ƹùǃŀ ĭƧǴùŏƶďž ƻƒƧùơǉƒĂ (2.90) ƸùǃŀŽ ŎŀǴƪơ Ʊƪ ĂƙďžŀŽ ǀƧŏƤǕƒĂ ƧŢƵ ŧŏƥǴơ!ƒ ŧŀƙƧďž!ƒ Ĭǃ Ƶ

ǇǅǇŏùŀƙ ǄǴƵ ýŧŢŀĂ . ǄǴƶ!ƒ ĭƧǴŏƶďž!ƒ ƻƒƧơǉǓƒĂ ǄǴƶ!ƒ ŎŀǴƪơ!ƒ Ʊƪ Ăƙďž!ƒ ƴďž ŧǉƧǴǀďž!ǴŀŽ (1.04)

ýǚƤ ǇǊďžĂ .Ʊƪ Ăƙďž ŧŏƥƧŢ!ƒ ŧŏ!ǴďžŢ!ƒ ŧŏƥǴŀ!ƒ Ŏ5 ŧďžƒƥƙƪďž!ƒ ŧŏďžǉƙǃ! ŧŏơƮ!ƒ Ƙƒƥƒǵƶ!ƒ ăĂƙƪďž Ƨ5Ăƙ

.ŧǃƑƪǕƒ ƴŏďžƞ! 0.05 ŧ!Ǔƥ ăĂƙƪďž ƥǉƵ ƘǴŀǴƞǓƒ ƧƒƧŧƙ! ŧŏƑǴƮơǫ ŧ!Ǔƥ ƥĂƞĂ ǇŏŀƙĭǴŧ ƧǴŀƙƤƒ

ƧƮùƙƤŏĂ ŧơƮù!ƒ ǀƧƒƨĂ ǴǋƧ5Ăƙ ŧŏơƮ!ƒ ƘǴďžƥƤ!ƒ ǇǅĬ!ǫ ƥĂƶŏ ǁ!Ʀ ǇǅŧơǴŀ!ƒ ăƧŏĂ

.ŧďžǴƶ!ƒ ŧơƮ!ƒ ƧĂďžǀŀŽ ŧŏĂƵĂƙ!ƒ ƘƒĂƥǉ!ƒĂ ŧŏŀŏƧƥƙ!ƒ ƘƒƧĂƥ!ƒ Ĭǃ Ƶ ŧŏĂďžǉƙ!ƒ ƴŏƧǴŢďž!ƒ ýďžƵ

ŎùƼ ŎǉǴŧďž ǇŏǴŀƙ ƥĂƞĂ ǊƑǴƙǉ!ƒ ƘǉǴŧĂ (2006)ƥĂƶƪ!ƒ ŧƪƒƧƥ ƴďž ǊƑǴƙǉ!ƒ ǉƦǋ Ư ƧǴƶƙƙĂ

ýƥǴƶ!ƒ Ƨŏƨ ƴŏƨĂƙ!ƒĂ ŧơƮ!ƒĂ ǄŏǃƶƙǃǴŧ ǴǌƙŏƵĂǉĂ ǀƧĂŧ!ƒ ǴƒĂ! Ŏ5 ŧďžƥǀďž!ƒ ŧďžǴƶ!ƒ ƘǴďžƥƤ!ƒ ăĂƙƪďž

.ǇŧǴƪďž!ƒ ƥƥƵ Ŏ5 ƒ ǀǉ!ƒĂ ŧŏơƮ!ƒĂ ŧŏďžŏǃƶƙ!ƒ ƘǴďžƥƤǃ!

[illegible]

[illegible] (3) [illegible]

[illegible] (14) [illegible]

[illegible]

[illegible]	χ^2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0.00	16.25	[illegible]	10	1.37	2.63	[illegible]	1
0.00	163.30	[illegible]	8	0.93	3.62	[illegible]	2
0.00	248.95	[illegible]	7	0.79	3.78	[illegible]	3
0.00	195.25	[illegible]	5	0.82	3.89	[illegible]	4
0.00	326.02	[illegible]	4	0.89	3.90	[illegible]	5
0.00	274.50	[illegible]	1	0.68	4.07	[illegible]	6
0.00	220.15	[illegible]	2	0.77	4.02	[illegible]	7
0.00	285.65	[illegible]	3	0.71	3.91	[illegible]	8
0.00	76.55	[illegible]	9	1.05	3.39	[illegible]	9
0.00	192.55	[illegible]	6	0.83	3.86	[illegible]	10
				0.57	3.71		[illegible]

[illegible] (2007) [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] " (6) [illegible] " (7) [illegible]

ýù Ţ fĂk!f ĶfƧǴùnjdž ƔǴʅùk‡f Ŏ5 YĂƧTdž!f Džnjʅŏ" (8) lƧl5!f ydžĂ "yŏƧǴTdž!f Ŗŏ5Ljk ǏǃƵ LJŏdžƑǴl!f

yŏƧǴTùdž!f Ŗŏ5LjkĂ lƧfƥ Ŏ5 ŎLjƥdž!f ydžkƞdž!f ĶfƧƅP LJdž lƥǴ5kʅǓf " (10) lƧl5!f ydžĂ "ŎƵǴdžkƞǓf

Ɨùŏơ Ǵlj!f LJùdž Ɨŏƥ Ǵƅ!f LJǴ‡ʅ ǏǃƵ Ɨŏƅ Ǵƞŏf ĶfƥƑǴƵ Ɨdžfƥkʅdž!f Ɨŏdžljkǃ! LJD ǏǃƵ ýƥŏ fŖNjĂ . "ƗŏĂdžljk!f

ƗdžƵfƥ!f ĶǴʅʅƌdž!f ǏǃƵ ƻƧƶk!f ĂNj Ɨdžfƥkʅdž!f Ɨŏdžljkǃ! ƗŏƵǴdžkƞǓf ĶfƥƑǴƶ!f DžNjD LJDĂ .ƗŏƵǴdžkƞǓf

LJŏùƅĂ Ɨùnjƞ LJdž yŏƧǴTdž!f ƔǴơŢD LJŏƅĂ ǴnjLjŏƅ Ǵdžŏ5 ĶfƧƅP!f ýƥǴƅkĂ yŏƧǴTdžǃ! lŖ5Ljdž!fĂ Ɨ!Ădždž!fĂ

Ƨŏ5ĂùkĂ ƗùŏĂdžljk!f yŏƧǴTùdž!f ýŏĂdžkƅ ĶǴnjƞ!f DžĂlk Ɨŏơ ăƧPD Ɨnjƞ LJdž Ŏǃơdž!f ydžkƞdž!f ƇǴljƅD

ƔǴơùŢǕ ƗùƵĂljkdž ĶfƧĂƥ ƥùlƶƅ ǁ!Ŗ‡ ĶǴnjƞ!f DžĂlkĂ yŏƧǴTdž!f ƗdžǴpǗ Ɨdžƨǘ!f Ɨŏƥ Ǵdž!f ƥƧfĂdž!f

Ɨdžfƥ LJdž fĂlj‡džkŏ!Ă DžnjŏǃƵ lƥƑǴ5!Ǵƅ ƥĂƶŏ Ǵdždž yŏƧǴTdž!f Ŗŏ5LjkĂ lƧfƥ ǏǃƵ DžnjƅŏƧƥk LJdž ưkk yŏƧǴTdž!f

.ƗŏTŏƶdž!f DžnjƵǴưĂD LJŏʅơk! ƥƑfĂƵ ƭŏlơkĂ ƗŏĂdžljk!f DžnjƶŏƧǴTdž

[illegible] (**15**) [illegible]

[illegible] / [illegible]

[illegible]	χ2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0.00	52.15	[illegible]	8	1.08	3.13	[illegible]	1
0.00	78.90	[illegible]	6	1.01	3.22	[illegible]	2
0.00	81.45	[illegible]	7	0.96	3.14	[illegible]	3
0.00	145.30	[illegible]	2	0.91	3.64	[illegible]	4
0.00	190.65	[illegible]	1	0.88	3.70	[illegible]	5
0.00	176.90	[illegible]	3	0.86	3.57	[illegible]	6
0.00	48.15	[illegible]	5	1.08	3.25	[illegible]	7
0.00	73.70	[illegible]	4	0.99	3.34	[illegible]	8
0.00	62.23	[illegible]	9	1.05	2.98	[illegible]	9
				0.66	3.33		[illegible]

[illegible] (3.70 [illegible] 2.98) [illegible] (3.33) [illegible]

[illegible] " (1) [illegible] " (4) [illegible] " (5) [illegible] " (6) [illegible]

[illegible] (16) [illegible]

[illegible] / [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	χ^2	[illegible]
1	[illegible]	4.12	2.81	2	[illegible]	263.98	0.00
2	[illegible]	3.90	0.82	7	[illegible]	181.60	0.00
3	[illegible]	3.83	0.91	9	[illegible]	165.70	0.00
4	[illegible]	3.89	0.75	8	[illegible]	241.85	0.00
5	[illegible]	4.20	0.59	1	[illegible]	208.12	0.00
6	[illegible]	4.09	0.66	3	[illegible]	185.40	0.00
7	[illegible]	3.78	0.97	10	[illegible]	156.35	0.00

						ǇǤǂƮǮ! ƚǑƮǤƮǛƒ ƘǤƞǤơ!ƒ	
0.00	228.60	ƚƶƺƘƧǆ	5	0.77	4.03	ǇǕǆ ƥǑƨǆ!ƒ ƴǑƧǤƬǆ!ƒ ƧƼǍƘ ƴǆƶ!ƒ ƒ Ƨƺ	8
0.00	220.35	ƚƶƺƘƧǆ	4	0.76	4.06	ǇǆƥƠ!ƒ Ǒƺ ƴǑƧǤƬǆ!ƒ ǄǌƮƘ ƧǀƼ!ƒ	9
0.00	208.55	ƚƶƺƘƧǆ	6	0.83	3.97	ƳǤǕƺƘƧƒ Ǒƺ ƴǑƧǤƬǆ!ƒ ǄǌƮƘ ǇǤǂƮǕ! ǑƬǑƶǆ!ƒ ǎǍƘƮǆ!ƒ ƚǑƥǤǅ!ƒ	10
0.00	107.65	ƚƶƺƘƧǆ	12	1.09	3.57	ǀƦǕǕƺǇǆ!ƒ ƘǤǕǕǌƞ!ƒ ǄǍǕǕǀƘ ƴǑƧǤƬǕǆ!ƒ ƚǆǤƤǅ ƴǑƧǤƬǆǮ! ƚǑƥǤƮǕƘƤǛƒ ǎǍƥƞ!ƒ ƘƒƦ ƱǀƼ	11
0.00	84.58	ƚƱƮǍƘǆ	13	2.42	3.10	ǀƦǕǕƺǇǆ!ƒ ƘǤǕǕǌƞ!ƒ ǄǍǕǕǀƘ ƘǤƞƘǇǆ!ƒ ƾǑǍƮƘǅ ƴǑƧǤƬǆǮ!	12
0.00	156.05	ƚƱƮǍƘǆ	11	0.88	3.65	ǀƦǕǕƺǇǆ!ƒ ƘǤǕǕǌƞ!ƒ ǄǍǕǕǀƘ ǑǕǕƺ ƳǍǇƘ!ǤǕǕǅ ƴǑƧǤƬǕǕǆǮ! ƚǆƥǀǆ!ƒ ƚǑƥǤƮƘƤǛƒ ƚƱƬǇǛƒ	13
				0.56	3.86		ǑǮǂ!ƒ

ƚǕǑƥǤǅ!ƒ ǑǕƺ ƚǆƒƥƘƮǕǆ!ƒ ƚǑǆǇƘǮ! ƚǑƥǤƮƘƤǛƒ ƘƒƥǄǤƶ!ƒ ǎǍƘƮǆ Ǐ!ǫ ƾǅǤƮ!ƒ ƴǍƥƞ!ƒ ƧǑƬǑ

ƴǕǆ ƚǕǇƧǤǀǆ!ǤǕ (4.20 Ǖ3.10) ǇǑǕǅ ƚǑǅǤƮǕơ!ƒ ƘǤƱƮǍƘǆ!ƒ ƘơǍƒƧƘ ƚǑơ Ǖ ƚǑƤƧƬ!ƒ ƚǑ!ǤǆƬ!ƒ

ƾǕǀơǑ"ǏǕǮƵ ƒ ǇǕƘ ǑǕƘ!ƒ ǀƧǀƼ!ƒ ƘǤǤƞ Ʀǫ . (3.86) Ʒ!ǤǕ!ƒ ǎǍƘƮǆǮ! ǄǤƶ!ƒ ǑǅǤƮơ!ƒ ƱƮǍƘǆ!ƒ

ǏƧǤǕǑƶǆ ƻƒƧơǇƒǍ 4.20 ǑǅǤƮơ ƱƮǍƘǆǅ Ǐ!ǍǛƒ ƚǅƘƧǆ!ƒ Ǒƺ ".ƴƤƥ!ƒ ǎǍƘƮǆ ǇǑƮơƘ ƳǍƧƬǆ!ƒ

ƘƒƥǕƒǤƶǮ! ƚǅƮǕǇ!ǤǕ ǤǕǆǄ ǄǤƶ!ƒ ǏƧǤǑƶǆ!ƒ ƻƒƧơǇǛƒǍ ǄǤƶ!ƒ ǑǅǤƮơ!ƒ ƱƮǍƘǆ!ƒ ƴǆ ƚǇƧǤǀǆ!ǤǕ 0.59

ƒƦǫ ǑǕƶǑǅƱ ƧǕǆǄ ƒƦǌ ǇǄ ƚơǤǕ!ƒ ǎƧǑƺ ƚǑƤƧƬ!ƒ ƚǑ!ǤǆƬ!ƒ ƚǑƥǤǅ!ƒ Ǒƺ ƚǆƒƥƘƮǆ!ƒ ƚǑǆǇƘǮ! ƚǑƥǤƮƘƤǛƒ

ƴǕǆƶ!ƒ ƒ ƧǕƺ ƧƼǍǕƘ ƚƞǑƘǇ ƴƤƥ!ƒ ǎǍƘƮǆ ǇǑƮơƘ ǑǌǍ ǇǤǂƮ!ƒ ƘǤƞǤǑƘơƒ ǄǌǄ ƴǑƧǤƬǆ!ƒ ǑǅǮƘ

ƧǑƺǍǕƘ! ƴǑƧǤƬǕǆ!ǤǕ ƚǕǮǆǤƶ!ƒ ǏƥǕǑǛƒ ǇǕǆ ƥƥƵ ƧǅǂƒƷ ƴǑƷƬƘǍ ƚ!ǤƱǅ!ƒ Ǉǆ ƻǑƺƤƘ!ƒǍ ƳǍƧƬǆ!ǤǕ

.ƥƒƧƺǛƒ ǎƥ! ƴƤƥ!ƒ ǎǍƘƮǆ ƴƺƧǍ ƚǑƮǤƮǛƒ ƘǤƞǤǑƘơǛƒ

[illegible] (2011) [illegible]

[illegible]

[illegible]

[illegible] (2005) [illegible]

[illegible]

[illegible]

[illegible]

[illegible] (1997) [illegible]

[illegible]

[illegible]

[illegible]

[illegible] 0.05 [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] (17) [illegible]

[illegible]	χ2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0.00	187.00	[illegible]	1	0.87	3.95	[illegible]	1
0.00	249.15	[illegible]	3	0.79	3.85	[illegible]	2
0.00	201.10	[illegible]	5	0.87	3.78	[illegible]	3
0.00	243.70	[illegible]	7	0.87	3.74	[illegible]	4
0.00	192.10	[illegible]	11	0.98	3.71	[illegible]	5
0.00	55.05	[illegible]	14	1.09	2.97	[illegible]	6
0.00	55.35	[illegible]	12	1.09	3.12	[illegible]	7
0.00	185.50	[illegible]	9	0.86	3.72	[illegible]	8
0.00	221.35	[illegible]	4	0.77	3.79	[illegible]	9
0.00	172.80	[illegible]	10	0.85	3.72	[illegible]	10
0.00	242.20	[illegible]	2	0.79	3.89	[illegible]	11
0.00	181.45	[illegible]	8	0.94	3.73	[illegible]	12

0.00	42.75	[illegible]	13	1.13	3.06	[illegible]	13
0.00	162.10	[illegible]	6	0.90	3.76	[illegible]	14
				0.59	3.63	[illegible]	

[illegible] (3.95 – 2.97) [illegible] (3.63) [illegible] 0.87 [illegible] 3.95 [illegible]

[illegible] (3.89) [illegible] (0.79) [illegible] (2.97) [illegible] (1.09) [illegible]

Ɫǳƒþƙùʅǚ Ɫùǳƶƒþ!ƒ ƘǴʅƨǴǳǳ!ƒ Ǉǳ þþƶ ǑǇƙ Ǉǳ þǚǍ ǴǒƶǴǳƙɳƒ Ɫ!þǴƶǍ Ǵǒʅǒʅ ƽǒƱƙ! ƫǴpǍ

ǲƒþƤƙùʅǚƒǍ þƨƒǍùǳ! ýư5Ǖƒ ƨǴʑʅǕƒ ǀǴƶƒƨǳǍ ǀǴ5ǂǍ ýƒþƙƶǴ þƨƒǍǳ!ƒ ǁűǌƙʅƒ ǴǌǳǋǍ Ɫƒǒ!ƒ

ƘǴǳƒþƤƙʅǚƒǍ Ɫǒþ þƨƒǍǳ! ǀþþɳƙǳ!ƒ ƨǒƹ þƨƒǍǳ!ƒ ýƒþƙʅǚ Ɫǒǳƨ!ƒ ƨƱǕƒǍ þƨƒǍǳ! ǀǴ5ǂ ƨƛǂǕƒ

ǍǊ þþɳƙ!ƒ Ĭ ƶ Ǵǌƙƨþ Ǉǳ Yƨʅ ǀƨǒƙǍ ǀþþɳƙǳ!ƒ þƨƒǍǳ!ƒ ǁűǌƙʅƒ ǲþƶǍ þƨƒǍǳ! Ɫǳƙơǳ!ƒ Ɫǒþ!ƒ

Ǖýƒƒþù Ǵǌ! Ǒƙ!ƒ ýǂ! ƗƮǴƤǍ ƯƨǕƒ Ĭƶ ǀǴǒơ! Ɫǳƶƒþ!ƒ ǲƲǉ!ƒ ǍǊ ƨƬ!ƒ ĭƦƌƙ ǇǊ Ǉǂǳǒ ƗǀǒƨƱ

ƗpǴƱǍ ƗǒƒǴǳ!ƒ ƗpǴƱ!ƒǍ ⱢǒʅǳƬ!ƒ ƗpǴƱ!Ǵǂ ǀþþɳƙǳ!ƒ Ɫƨǒ Ʋǉ!ƒ ƗpǴƱ!ƒ Ĭƶ þǴǳƙƶǚƒ ýǴɳǳ Ǒ5 ƴʅǍƙ!ƒǍ

.ƟǴǒƨ!ƒ

Ɫǳƒþƙʅùǳ!ƒ Ɫǒǳǉƙ!ƒ ýǒƺ5ƙ! ǀƦƤƙǳ!ƒ ýƒǴʅǍ!ƒ ǲǋǊ ǇǊ ǇǒƙƗ ǒǴʅơ!ƒ ƘǴƱʅǍƙǳ!ƒ ýűƤ ǇǳǍ

ǦǴƬùǉǗ Ɫǳɾű!ƒ ƗǒþǴǳ!ƒ þƨƒǍǳ!ƒ ƨǒ5Ǎƙ ǲǍƖƙ Ɫ!Ǎǳǳ!ƒ ƘǴǌɳ!ƒ ǇǊ Ǎǌ Ɫǒpƨ Ƭ!ƒ Ɫǒ!Ǵǳ Ƭ!ƒ Ɫǒþ Ǵ!ƒ Ǒ5

.ƗǒǍǳǉƙ!ƒ ƴǒƨǴƬǳ!ƒ

[illegible]

[illegible] " (4) [illegible] " (11) [illegible] " (12) [illegible] " (13) [illegible] " (14) [illegible]

[illegible]

[illegible]

[illegible]

[illegible] (18) [illegible]

[illegible]	X2	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
0.00	151.50	[illegible]	7	1.02	4.09	[illegible]	1
0.00	45.85	[illegible]	15	1.28	3.31	[illegible]	2
0.00	207.65	[illegible]	6	0.83	4.10	[illegible]	3
0.00	233.05	[illegible]	5	0.73	4.22	[illegible]	4
0.00	99.10	[illegible]	12	0.93	3.84	[illegible]	5
0.00	109.15	[illegible]	11	0.91	3.88	[illegible]	6
0.00	136.28	[illegible]	2	0.73	4.36	[illegible]	7
0.00	168.15	[illegible]	10	1.05	3.89	[illegible]	8
0.00	115.20	[illegible]	13	1.04	3.62	[illegible]	9
0.00	62.60	[illegible]	14	1.18	3.47	[illegible]	10

0.00	217.75	Ƚzƽƙƨdž	4	0.88	4.30	ǇùƵ ȽöþǤǊ!ƒ Ƚ!ƱǈdžþƶǊ ƘǤdžþƤ!ƒ ƫƱǤǈdž	11
0.00	198.35	ȽöǁơdžƒȽǂƨƓTdž!ƒ ƻƶư ȽƵǤǈùƮĂ ƦǤùƤƙƒ Ŏù5 Ƚùùǁǁƶƙdž!ƒ ƘƒƨƒƨùùǁƒȽödžǈƙǤǊ	12
0.00	145.16	Ƚzƽƙƨdž	1	0.76	4.41	ƒĂƪùö! ƨƒƨùǁƒ ƒĂƶǈǤƮ ƘǤùƞǤöƙơǤǊ ȽöƒƨþĬǁƵ ȽöþǤǊ!ƒ ǇǤǂƪ	13
0.00	167.15	Ƚzƽƙƨdž	8	0.91	4.01	ȽùöĂdžǈƙ ƴöƨƓTùdž ȽdžǤƥƺ ǇùdžǤǌö5 ƔĂƺƨdž ƨöƺ ȽöþǤǊ!ƒ ǇǤǂƪ ƴǊƥ	14
0.00	83.80	Ƚzƽƙƨdž	9	0.81	4.00	ƔĂǁùƪŰƒ Ĭù!ƺ ƨǤǁƙ5Ůƒ ƨǤùöƙƤƒ þùǈƵ Ŏùdžǁƶ!ƒ ȽöĂdžǈƙ!ƒ ƴöƨƓTdž!ƒ	15
				0.51	3.99		Ŏǁǂ!ƒ

ȽöƥƨTù!ƒ Ƚö!ǤdžT!ƒ ȽöþǤǊ!ƒ Ŏ5 Ƚdžƒþƙƪdž!ƒ ȽödžǈƙǊ!ƒ ƘǤƥĂƶdž ăĂƙƪdž Ĭ!ƺ ƫǊǤƪ!ƒ ýĂþƞ!ƒ ƨöTö ǄǤƶ!ƒ ŎǊǤƪơ!ƒ ƱƪĂƙdž!ƒ ƴdž ȽǈƨǤǁdž!ǤǊ (4.41 Ü3.31) ǇöǊ ȽöǊǤƪơ!ƒ ƘǤƱƪĂƙdž!ƒ ƘơĂƒƨƙ ȽöơÜ ȽùöƒƨþĬùǁƵ ƒĂƪùö! ƨƒƨ!ƒ ƒĂƶǈǤƮ"ĬǁƵ ƒ ǈƙ Ŏƙ!ƒ ǉƨǁƽ!ƒ ƘǤǤƞ Ʀƺ . (3.99) Ƽ!ǤǊ!ƒ ăĂƙƪdžǁ! 0.76 ĭƨǤùöƶdž ƻƒƨơǈƒĂ 4.41 ŎǊǤƪơ ƱƪĂƙdžǊ Ĭ!ĂǕƒ ȽǊƙƨdž!ƒ Ŏ5 ".ȽöþǤǊ!ƒ ǇǤǂƪ ƘǤƞǤöƙơǤǊ ǇǅŎù5 þĂùƶö ȽùơǤǊ!ƒ ăƨöĂ .ǄǤƶ!ƒ ĭƨǤöƶdž!ƒ ƻƒƨơǈŮƒĂ ǄǤƶ!ƒ ŎǊǤƪơ!ƒ ƱƪĂƙdž!ƒ ƴdž ȽǈƨǤǁdž!ǤǊ Ǉþùdžƒƨùǂƒƨdž ǇùƵ þùƶǊƙ ȽöþǤǊ!ƒ ǇĂǂ ǤǌǈǤǂƪĂ ȽöþǤǊ!ƒ ǇƵ þƶǊ!ƒ ýǂ ǇĂþöƶǊ ƨƒƨ!ƒ ƒĂƶǈǤƮ ǇöǃĂƋƪùdž!ƒ ƘƒƨƒƨùǁǊ ȽöþǤǊ!ƒ ȽödžǈƙĂ ƴöƨƓTdž!ƒ ȽdžǤƥƺ ƨƛƋƙ ǁ!ƦǂĂ ƨƒƨ!ƒ ƴǈƮ ǇǂǤdžǅĂ ƘǤdžþƤ!ƒĂ ƨ5ĂùƙƙŮ ȽùöþǤǊ!ƒ ǇǅþƞǈƒƦǌ!Ă ȽöǊĂƪơdž!ƒĂ ȽƱƪƒĂ!ƒ ŎƙƨǋǤǙ ƨǤTƙǈƒ Ƚƞöƙǈǉƶöơƙdž!ƒĂ ǉƨöƺƙdž!ƒ Ŏù5 ƶöơƙ!ƒĂ ȽöþǤǊ!ƒ ƫ ödžǌƙ! Ƚƞöƙǈ ƻǤöƨŰƒĂ Ǉþdž!ƒ Ǉdž ƫƱǤǈdž!ƒ ŎƥǤǊ ǇƵ ȽƽǁƙƤdžĂ ƘǤdžþƤ!ƒ ǤǌǈǤǂƪĂ ȽöǊĂƪơdž!ƒ ǤǌǈǤǂƪĂ ǤǌǈǤǂƪĂ

Ŏù5 ýùdžƶǁ! ȽdžƶŭƒȽöƨTǊ!ƒ ƘƒǤǤƽǂ!ƒ ƒ ǁǈ"ĬǁƵ ƒ ǈƙ Ŏƙ!ƒ .ƘǤdžþƤ!ƒĂ ȽöþǤdž!ƒ þƨƒĂdž!ƒ ƴöƶĂƙ ĭƨǤöƶdž ƻƒƨơǈƒĂ (3.31) ƼǁǊ ŎǊǤƪơ ƱƪĂƙdžǊ ǉƨöƤŰƒĂ ƨTƵ ȽƪdžǤƤ!ƒ ȽǊƙƨdž!ƒ ĬǁƵ "ƔĂƨTdž!ƒ

[illegible] (1.28) [illegible]

[illegible] (1999) [illegible] 0.05 [illegible]

[illegible] (2000) [illegible]

[illegible] (2008) [illegible]

[illegible] 0.05 [illegible]

(T) (F) [illegible]

[illegible] (19) [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	130	3.98	.46	T=-0.07	0.94
	[illegible]	70	3.99	.59		
[illegible]	[illegible]	42	4.01	.55	F=0.23	0.92
	[illegible]	75	3.94	.53		
	[illegible]	22	4.03	.44		
	[illegible]	44	4.02	.47		
	[illegible]	17	3.99	.49		
[illegible]	199 [illegible]	59	3.86	.57	F=2.39	0.07
	200-299	85	4.08	.49		
	300-399	36	3.95	.45		
	400 [illegible]	20	4.03	.39		
[illegible]	1 – 2	18	3.98	.422	F=0.12	0.97
	5 [illegible] 3	96	3.97	.483		
	6 – 8	56	4.01	.615		
	9 [illegible]	30	4.02	.440		

:[illegible] (19)[illegible]

• [illegible] (3.99) [illegible] (3.98)[illegible] (T)[illegible] (0.07-) [illegible] (0.94)[illegible]

[illegible]

• [illegible] (4.03) [illegible] (4.01) [illegible] (4.02) [illegible] (F) [illegible] (3.94) [illegible] (3.99) [illegible] (0.92) [illegible] (0.23) [illegible]

• [illegible] (4.08) [illegible] 299-200) [illegible] 399-300) [illegible] (4.03) [illegible] 400) [illegible] (2.39)(F) [illegible] (3.86) [illegible] 199) [illegible] (3.95) [illegible] (0.07) [illegible]

Ŏù5 ƗdžƒþkƖùdž!ƒ Ɨŏdžǉk!ƒ ƘǴpĂzdž ĬǁŹ ĭƧnjT!ƒ ýƤþ!ƒ Ƨŏʓkdž! ƗŏƑǴƮơ Ɨ!Ǚþ ƘƒŖ ƽĂƧ5

ǈŏŖù!ƒ ƧƖǕƒ ăþ! ƗdžƒþkƖdž!ƒ Ɨŏdžǉk!ƒ ƘǴpĂzdž ǈǅ ǋƑǴǉ!ƒ ƘƧnjƱǅ.ƗŏpƧT!ƒ Ɨŏ!ǴdžT!ƒ ƗŏþǴǚ!ƒ

ƔǚƖù!ƒ þĂzŏĂ ƧƤƈ ýƤþ ĭǅ ŎpǴǚ ǈdž Ǌǉdž Ƨƛǂǅ ƧǴǉŏþ (299-200) ǅnj! ĭƧnjT!ƒ ýƤþ!ƒ

.ƗŏƖǴƖǕƒ ƘǴɳǴŏkơǕƒ Ɨ5Ǵǂ Ɨŏǚǉk! Ŏ5ǂk Ǖ ýŏƧǴTdžǁ! Ɨŏ!Ǵdž!ƒ þƑĂz!ƒ ǈǆǚ ǁ!Ŗ Ŏ5

• ĬǁŹǅ ƟƖĂkdž ŎǚǴƖơ ƔĂdžɳdžǁ! Ŏǁǂ!ƒ þþz! þƒƧ5Ǖƒ (Ƨƛǂǖù5 9) Ŭ(4.02) ĂǚǁƩù! þþz!

(5-3) þƒƧù5Ǖƒ þþz! ĂǚǁƩ Ŭ(3.98) (2-1) þƒƧ5Ǖƒ þþz! ĂǚǁƩ Ŭ(4.01) (8-6)þƒƧ5Ǖƒ

Ɨù!ƒþ Ƨùŏɛ Ɨdžŏp ŎǋĂ Ŭ(0.97) ƗŏƑǴƮơ Ɨ!ǙþǚĂ (0.12) (F) Ɨdžŏp ƘʓǚǁĂ Ŭ(3.97)

ƖƧƖǕƒ þƒƧ5ǅ þþŹ Ƨŏʓkdž! ƗŏƑǴƮơ Ɨ!Ǚþ ƘƒŖ ƽĂƧ5 þĂɳĂ ǅþŹ ĬǁŹ ýþŏ ƒŖǋĂ ŬǴŏƑǴƮơ

Ƨƛǂǅ ǈǅ ǋƑǴǉ!ƒ ƘƧnjƱǅ þpĂ .ƗŏpƧT!ƒ Ɨŏ!ǴdžT!ƒ ƗŏþǴǚ!ƒ Ŏ5 ƗdžƒþkƖdž!ƒ Ɨŏdžǉk!ƒ ƘǴpĂzdž ĬǁŹ

(Ƨƛǂǖ5 þƒƧ5ǅ 9) ǈdž ǅnjƧƖǅ ǈĂǂkk Ŏk!ƒ ƧƖǕƒ ǅnj ƗdžƒþkƖdž!ƒ Ɨŏdžǉk!ƒ ƘǴpĂzdžǚ ƒƧƛǖk ƧƖǕƒ

Ɨùǁzkdž!ƒ ƘƒƧƒƧùǁ!ƒ ƗŹǴǉƮĂ ŖǴƤkƒ Ŏ5 Ɨŏǁơdž!ƒ ƗǂƧǴTdž!ƒ ƻzư ǁ!Ŗ Ŏ5 ƔǚƖ!ƒ þĂzŏĂ

þƧƒĂùdž!ƒ ŬƗùŏþǴǚ!ƒ ǈǴǂùƖ ýǚp ǈdž Ǵnjŏ5 ƔĂɛƧdž Ƨŏɛ ƗŏĂdžǉk!ƒ ýŏƧǴTdž!ƒ ƗdžǴpǫĂ ŬƗŏdžǉk!Ǵǚ

.ǋŏ5Ǵǂ Ƨŏɛ ƘǴǉǴǂdžǕƒĂ

ÛǚĭƟøT)ǚǅǆɛǫƗƨøǅǁɛ ǚĭǅǆǂƗǁɛ ƖɛǫəƑY ǅĭǴ ǚĭəƑƮƟǖ ǚǁǕǫ ƖɛƤ ǚƽǘY ǫǕǋĭ ŭǉ: ƨǫƑƨǁɛ ŭɛǅƨǁɛ

njǋƗƨøǅǁɛÛ Ƨ ǆǕǁɛ) ǅøǅ ŭøǀǋ ǚĭƽþƖøǁɛ ǚĭǁƑǅƖøǁɛ ǚøĭǫƑǴǁƑǴ (ǚĭǫƑƮƗƽɛ ÛǚĭǅǆĭǂyƗ ÛǚĭYƑǅǆƗǕɛ

Ý0.05 ǚǁǕǫ njǋƗƨǅ ǫǆY (Ɣþƨǘɛ ǫɛþʓƈ ǫǫYǋ ÛăþǋƖǁɛ ŭǁǫǁɛÛĬǅǆĭǂyǂǁɛ

(T) (F) ƗùdžŏpĂ ƗŏƧǴŏzdž!ƒ ƘǴ5ƒƧơǉǕƒĂ ƗŏǚǴƖơ!ƒ ƘǴƟƖĂkdž!ƒ ƔǴƖơ ǅk ýƒǖƖ!ƒ ƒŖǋ ǈŹ ƗǚǴɳǘ!

Ɨŏ5ƒƧʓdžŏþ!ƒ ƘƒƧŏʓkdž!ƒ ĬǁŹ ƗƖƒƧþ!ƒ ƘǙǴɳdž ǈdž ýǴɳdž ýǂ! ƗŏƑǴƮơǕƒ Ɨ!Ǚþ!ƒĂ

[illegible] (20) [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	130	3.24	.718	T=-0.64	0.52
	[illegible]	70	3.31	.714		
[illegible]	[illegible]	42	3.23	.830	F=1.32	0.26
	[illegible]	75	3.28	.653		
	[illegible]	22	3.55	.835		
	[illegible]	44	3.13	.703		
	[illegible]	17	3.24	.474		
[illegible]	199 [illegible]	59	3.14	.745	F=3.11	0.02
	200-299	85	3.43	.615		
	300-399	36	3.19	.782		
	400 [illegible]	20	3.03	.791		
[illegible]	1 – 2	18	3.23	.608	F=0.11	0.95
	5 [illegible] 3	96	3.29	.753		
	6 – 8	56	3.23	.672		
	9 [illegible]	30	3.25	.760		

:[illegible] (20) [illegible]

• [illegible] (3.31) [illegible] (3.24) [illegible] (T) [illegible] (0.64-) [illegible] (0.52) [illegible]

• [illegible] (3.55) [illegible] (3.28) [illegible] (3.24) [illegible] (3.23) [illegible] (3.13) [illegible] (F) [illegible]

ƊǂþùƵ ǏǈƵ ýþŏ ƒȒǋĂ ÜĜŏƑĜƬơǫ Ɨ!ƒþ ƧŏƩ ƗđžőƿŎǋĂ Ü(0.26) ƗŏƑĜƬơǫ Ɨ!ǕþħĂ (1.32)

ƗŏđžǉƙǈǃƗŏơƬ!ƒ ƘƒþƑĜƺ!ƒ ǏǈƵ ŎđžŏǈƺƙǃƒăĂƙƪđž!ƒ ƧŏƷƙđž! ƗŏƑĜƬơǫ Ɨ!Ǖþ ƘƒȒ ƾĂƧ5 þĂƞĂ

.ƗŏƿƧƬ!ƒ Ɨŏ!ĜđžƬ!ƒ ƗŏþĜħ!ƒ Ŏ5 Ɨđžƒþƙƪđž!ƒ

ƩùǈħĂ Ü(3.43) (ƧĜǉŏþ 299-200)lƧƪǕƒ ýƤþ! ŎǈǂƗ!ƒ ƳĂđžƞđžǈ! ŎħĜƪơ ƱƪĂƙđž ǏǈƵ•

ƧĜùǉŏþ 199) lƧùƪǕƒ ýƤþù! ƩùǈħĂ Ü(3.19) (399ƧĜùǉŏþ -300)lƧùƪǕƒ ýƤþù!

(3.11)(F) ƗđžŏƿƘƷǈħĂ (3.03) (ƧƛǂƋ5 ƧĜǉŏþ 400) lƧƪǕƒ ýƤþ! ƩǈħĂ Ü(3.14)(ýƿƋ5

ƘƒȒ ƾĂƧù5 þĂƞĂ ǏǈƵ ýþŏ ƒȒǋĂ ÜĜŏƑĜƬơǫ Ɨ!ƒþ ƗđžŏƿŎǋĂ Ü(0.02) ƗŏƑĜƬơǫ Ɨ!ǕþħĂ

ƗŏþĜħ!ƒ Ŏ5 Ɨđžƒþƙƪđž!ƒ ƗŏđžǉƙǈǃƗŏơƬ!ƒ ƘƒþƑĜƺ!ƒ ǏǈƵ ĭƧǌƬ!ƒ ýƤþ!ƒ ƧŏƷƙđž! ƗŏƑĜƬơǫ Ɨ!Ǖþ

ƗŏơƬù!ƒ ƘƒþùƑĜƺ!Ĝħ ƒƧƛƋƙ ýƤþ ăĂƙƪđž ƧƛǂƊ ǇƋħ ǊƑĜƙǉ!ƒ ƘƧǌƱƊ þƿĂ .ƗŏƿƧƬ!ƒ Ɨŏ!ĜđžƬ!ƒ

ǉȒùǋ Ɨ ùŏơ. ƧĜùǉŏþ (299-200) Ɗǌ! lƧƪǕƒ ýƤþ ǇŎȒ!ƒ ƧƪǕƒ ƊǋƗŏĂđžǉƙ!ƒ ýőƧĜƬđžǈ!

.Ɨđžƒþƙƪđž!ƒ Ɨŏđžǉƙ!ƒ ƘĜƿĂƺđžħ ƒƧƛƋƙ ƘĜƑ5!ƒ ƧƛǂƊ ŎǋƗƵĂđžƞđž!ƒ

9)þƒƧ5Ǖƒ þþƺ! ƩǈħĂ Ü(3.29) (5-3) þƒƧ5Ǖƒ þþƺ! ŎǈǂƗ!ƒ ƳĂđžƞđžǈ! ŎħĜƪơ ƱƪĂƙđž ǏǈƵ•

(0.11) (F) ƗđžŏƿƘƷǈħĂ Ü(3.23)(8-6) Ă (2-1) þƒƧ5Ǖƒ þþƺ! ƩǈħĂ Ü(3.25) (ƧƛǂƋ5

þĂùƞĂ ƊǂþùƵ ǏǈƵ ýþŏ ƒȒǋĂ ÜĜŏƑĜƬơǫ Ɨ!ƒþ ƧŏƩ ƗđžŏƿŎǋĂ Ü(0.95) ƗŏƑĜƬơǫ Ɨ!ǕþħĂ

ƗùŏđžǉƙǈǃƗŏơƬù!ƒ ƘƒþùƑĜƺ!ƒ ǏǈƵ lƧƪǕƒ þƒƧ5Ɗ þþƵ ƧŏƷƙđž! ƗŏƑĜƬơǫ Ɨ!Ǖþ ƘƒȒ ƾĂƧ5

.ƗŏƿƧƬ!ƒ Ɨŏ!ĜđžƬ!ƒ ƗŏþĜħ!ƒ Ŏ5 Ɨđžƒþƙƪđž!ƒ

[illegible] (21) [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
0.58	T=-0.55	.57	3.69	130	[illegible]	[illegible]
		.58	3.74	70	[illegible]	
0.28	F=1.27	.57	3.77	42	[illegible]	[illegible]
		.49	3.78	75	[illegible]	
		.52	3.71	22	[illegible]	
		.66	3.57	44	[illegible]	
		.65	3.57	17	[illegible]	
0.12	F=1.91	.56	3.75	59	199 [illegible]	[illegible]
		.53	3.77	85	200-299	
		.57	3.55	36	300-399	
		.70	3.55	20	400 [illegible]	
0.42	F=0.92	.74	3.78	18	1 – 2	[illegible]
		.50	3.65	96	5 [illegible] 3	
		.57	3.80	56	6 – 8	
		.65	3.67	30	9 [illegible]	

:[illegible] (21)[illegible]

• [illegible] (3.74) [illegible] (3.69)[illegible] (0.55-) (T)[illegible] (0.58)[illegible].

• [illegible] (3.78) [illegible] (3.77) [illegible] (3.71) [illegible] (3.57)[illegible] (1.27) (F)[illegible]

ΚƒŘ ƨĂƧ5 þĂηĂ ǅþƵ ĬƵ ýþŏ ƒŘǋĂ ÜĜŏƑƓƮơƣ Ɨ!ƒþ ƧŏƩ Ɨǆŏp ŎǋĂ Ü(0.28) ƗŏƑƮơƣ

Ŏù5 Ɨǆƒþƙʅǆ!ƒ Ɨŏǆǉƙ! ƗŏƵǆƙηŬƒ ΚƒþƑƶ!ƒ ĬƵ Ŏǆŏƶƙ!ƒ ăĂƙʅǆ!ƒ Ƨŏʒƙǆ! ƗŏƑƮơƣ Ɨ!Ŭþ

.ƗŏpƧT!ƒ Ɨŏ!ǆT!ƒ Ɨŏþƕ!ƒ

- ƸùƕĂ Ü(3.77) (ƧǉŏþƄ 299-200)lƧʅŬƒ ýƤþ! Ŏǂ!ƒ ƳĂǆηǆ! ŎƕʅƠ ƱʅĂƙǆ ĬƵ

Ă (Ƨùǉŏþ 399-300) lƧùʅŬƒ ýƤþù! ƸƕĂ Ü(3.75) (ýpƌ5 Ƨǉŏþ 199)lƧʅŬƒ ýƤþ!

ŎùǋĂ Ü(0.12) ƗŏƑƮơƣ Ɨ!ŬþĂ (1.91)(F) Ɨǆŏp ΚʒƕĂ Ü(3.55)(Ƨƛǂƌ5 Ƨǉŏþ 400)

Ƨùŏʒƙǆ! ƗŏƑƮùơƣ Ɨ!Ŭþ ΚƒŘ ƨĂƧ5 þĂηĂ ǅþƵ ĬƵ ýþŏ ƒŘǋĂ ÜĜŏƑƮơƣ Ɨ!ƒþ ƧŏƩ Ɨǆŏp

.ƗŏpƧT!ƒ Ɨŏ!ǆT!ƒ Ɨŏþƕ!ƒ Ŏ5 Ɨǆƒþƙʅǆ!ƒ Ɨŏǆǉƙ! ƗŏƵǆƙηŬƒ ΚƒþƑƶ!ƒ ĬƵ ĭƧǌT!ƒ ýƤþ!ƒ

- þþùƶ! ƸùƕĂ Ü(3.80) (8-6) þƒƧù5Ŭƒ þþùƶ! Ŏùǂ!ƒ ƳĂǆηǆ! ŎƕʅƠ ƱʅĂƙǆ ĬƵ

Ü(3.65)(5-3)Ƹùƕ Ă (3.67) (Ƨƛǂù5 9) þƒƧ5Ŭƒ þþƶ! ƸƕĂ Ü(3.78) (2-1)þƒƧ5Ŭƒ

ÜĜŏƑƮùơƣ Ɨù!ƒþ ƧŏƩ Ɨǆŏp ŎǋĂ Ü(0.42) ƗŏƑƮơƣ Ɨ!ŬþĂ (0.92) (F) Ɨǆŏp ΚʒƕĂ

ĬùƵ lƧùʅŬƒ þƒƧ5 þþƵ Ƨŏʒƙǆ! ƗŏƑƮơƣ Ɨ!Ŭþ ΚƒŘ ƨĂƧ5 þĂηĂ ǅþƵ ĬƵ ýþŏ ƒŘǋĂ

.ƗŏpƧT!ƒ Ɨŏ!ǆT!ƒ Ɨŏþƕ!ƒ Ŏ5 Ɨǆƒþƙʅǆ!ƒ Ɨŏǆǉƙ! ƗŏƵǆƙηŬƒ ΚƒþƑƶ!ƒ

[illegible] (22) [illegible]

[illegible]

[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	130	3.27	.65	0.07
	[illegible]	70	3.44	.67	
[illegible]	[illegible]	42	3.28	.58	0.30
	[illegible]	75	3.32	.62	
	[illegible]	22	3.58	.58	
	[illegible]	44	3.32	.82	
	[illegible]	17	3.13	.65	
[illegible]	199 [illegible]	59	3.30	.65	0.64
	200-299	85	3.38	.64	
	300-399	36	3.22	.75	
	400 [illegible]	20	3.36	.60	
[illegible]	1 – 2	18	3.32	.60	0.54
	5 [illegible] 3	96	3.34	.60	
	6 – 8	56	3.24	.78	
	9 [illegible]	30	3.46	.65	

[illegible] (22) [illegible]:

[illegible] (3.44) [illegible] (3.27) [illegible] (T) (1.78) [illegible] (0.07) [illegible]

ăĂƙʅùǆǚ! ƹǚŵĂ Ü(3.58) (ǊĂǚŵƥ)ŎǆǎǚǚƺƙƑ ăĂƙʅǆǚ! Ŏǚǂ!ƒ YĂǆŋǆǚ! ŎŵǴʅơ ƱʅĂƙǆ ĬǚƵǊ•

Ü(3.28) (ŎùʅǴʅǊ)ŎǆǎǚǚƺƙƑ ăĂƙʅǆǚ! ƹǚŵĂ Ü(3.32) (ΣĂŏƧĂ!Ǵǂŵ) Ă (ĭĂǉǴƛ) ŎǆǎǚǚƺƙƑ

ƚù!ŬƥŵĂ (1.22) (F)ƚùǆǎƿ ƘùʓǚŵĂ Ü(3.13) (ǴùǎǚƵ ƘǴʅƒƧƥ)ŎǆǎǚǚƺƙƑ ăĂƙʅǆǚ! ƹǚŵĂ

ƘƒƦ ƪĂƧ5 ƥĂŋĂ ǊƥƵ ĬǚƵ ýƥŏ ƒƦǋĂ ÜǴŏƑǴƬơƺ ƚ!ƒƥ Ƨŏƹ ƚǆǎƿ ŎǋĂ Ü(0.30) ƚŏƑǴƬơƺ

Ŏù5 ƚǆƒƥƙʅùǆ!ƒ ƚŏǆǉƙǚ! ƚŏǆǎǚǚƺƙƑ ƘƒƥƑǴƺ!ƒ ĬǚƵ ŎǆǎǚǚƺƙƑ ăĂƙʅǆ!ƒ ƧŏʓƙǆƑ ƚŏƑǴƬơƺ ƚ!Ŭƥ

.ƚŏƿƧT!ƒ ƚŏ!ǴǆT!ƒ ƚŏƥǴŵ!ƒ

ƹùǚŵĂ Ü(3.38) (ƧǴǉŏƥ 299-200)ǀƧʅŰƒ ýƤƥ! Ŏǚǂ!ƒ YĂǆŋǆǚ! ŎŵǴʅơ ƱʅĂƙǆ ĬǚƵǊ•

(ýùƿǆ5 ƧǴùǉŏƥ 199) ǀƧùʅŰƒ ýƤƥù! ƹǚŵĂ Ü(3.36) (Ƨƛǂǆ5 ƧǴǉŏƥ 400)ǀƧʅŰƒ ýƤƥ!

(0.55)(F) ƚùǆǎƿ ƘùʓǚŵĂ (3.22) (ƧǴùǉŏƥ 399-300) ǀƧʅŰƒ ýƤƥ! ƹǚŵĂ Ü(3.30)

ƥĂùŋĂ ǊƥùƵ ĬǚƵ ýƥŏ ƒƦǋĂ ÜǴŏƑǴƬơƺ ƚ!ƒƥ Ƨŏƹ ƚǆǎƿ ŎǋĂ Ü(0.64) ƚŏƑǴƬơƺ ƚ!ŬƥŵĂ

ƚùŏǆǉƙǚ! ƚùŏǆǎǚǚƺƙƑ ƘƒƥùƑǴƺ!ƒ ĬùǚƵ ĭƧǌT!ƒ ýƤƥ!ƒ ƧŏʓƙǆƑ ƚŏƑǴƬơƺ ƚ!Ŭƥ ƘƒƦ ƪĂƧ5

.ƚŏƿƧT!ƒ ƚŏ!ǴǆT!ƒ ƚŏƥǴŵ!ƒ Ŏ5 ƚǆƒƥƙʅǆ!ƒ

ƥƥùƺ! ƹùǚŵĂ Ü(3.46) (Ƨƛǂǆù5 9) ƥƒƧù5Űƒ ƥƥƺ! Ŏǚǂ!ƒ YĂǆŋǆǚ! ŎŵǴʅơ ƱʅĂƙǆ ĬǚƵǊ•

Ü(3.24) (8-6)ƹùǚŵ Ă (3.32) (2-1) ƥƒƧù5Űƒ ƥƥùƺ! ƹǚŵĂ Ü(3.34) (5-3)ƥƒƧ5Űƒ

ÜǴŏƑǴƬùơƺ ƚù!ƒƥ Ƨŏƹ ƚǆǎƿ ŎǋĂ Ü(0.54) ƚŏƑǴƬơƺ ƚ!ŬƥŵĂ (0.72) (F) ƚǆǎƿ ƘʓǚŵĂ

ĬùǚƵ ǀƧùʅŰƒ ƥƒƧ5Ǌ ƥƥƵ ƧŏʓƙǆƑ ƚŏƑǴƬơƺ ƚ!Ŭƥ ƘƒƦ ƪĂƧ5 ƥĂŋĂ ǊƥƵ ĬǚƵ ýƥŏ ƒƦǋĂ

.ƚŏƿƧT!ƒ ƚŏ!ǴǆT!ƒ ƚŏƥǴŵ!ƒ Ŏ5 ƚǆƒƥƙʅǆ!ƒ ƚŏǆǉƙǚ! ƚŏǆǎǚǚƺƙƑ ƘƒƥƑǴƺ!ƒ

ƕŏǁƑDžƪǁǉ ƕŏƳƑǴǁƑǴ ƕDžǉƳƗƨDžǁǉ ƕŏDžǎƗǁ ƕŏƳƑƬƗƼǗǉ ƖǉƳƏƑƴǁǉ ǍƗƳ ƕƗƼƗƨDžǁǉ ƖǉƥŏǅƗDžǁǉ ƒ ƴǴ ƥŏǃƗ (23) !ƼƥǜǊƳǁ

ƕŏƼƥƪǁǉ

ƕǁǗƳǁǉ ƕŏƏƑƬƟǗǉ	ƥǴƗƳǗǉ	ƺǉƥƟǉǗǉ ǎƥƑŏƴDžǁǉ	ƠƨǊǁǉ ǏǴƨƟǁǉ	ƥǉƥǀƗǁǉ		ƕŏDžŏƗƴƗǁǉ ƖǉƳƏƑƴǁǉ
0.37	T=-0.88	.47	3.83	130	ƥǀƤ	Ƨǉǁǁǉ
		.70	3.91	70	Ǎǂǉǃ	
0.13	F=1.81	.57	3.91	42	Ǐ ƨƑƨǃ	ǏDžŏƗƴƗǁǉ ǌǊƗƨDžǁǉ
		.62	3.83	75	ǎǊǉƑǂ	
		.44	4.12	22	!ǊƗǴƳ	
		.50	3.79	44	ƧǊŏƥǊǁƑǀǴ	
		.40	3.71	17	ƑŏƗƳ ƖƑƨǉƥƳ	
0.004	F=4.59	.56	3.71	59	199 üƼǅƺ	ǎƥǋƪǁǉ üǇƳǁǉ
		.53	4.02	85	200-299	
		.57	3.76	36	300-399	
		.51	3.76	20	400 ƥǂǀǅƺ	
0.67	F=0.51	.47	3.72	18	1 – 2	ƴƥƨǗǉ ƳǉƥƺǴ ƳƳƳ
		.55	3.89	96	5 ı3	
		.63	3.86	56	6 – 8	
		.50	3.83	30	9 ƥǂǀǅƺ	

:Ǒǁŏ ǴǆǍ (23)ǅƥƧ ýǍƥƞ!ƒ ǇǆǍ ƧǌǙŏ

ǨùƺǁǁǉǍ Ü(3.83)ƧǍƗƦùǁ! ƺùǁǁǉǍ Ü(3.91) ƗǴǇǘ! Ǒǁƚ!ƒ ƳǍǆƞǆǁ! ǑǉǴƪƳ ƱƪǍǂǆ Ǐǁ ƵǅƔ

ýƥùŏ ƒƦǊǍ ÜǴǑƑǴƬƳƺ Ɨ!ƒƥ Ƨŏƺ ƗǆŏƤ ǑǊǍ Ü(0.37)ƗǑƑǴƬƳƺ Ɨ!ǗƥǉǍ (0.88-) (T)ƗǆŏƤ

ƗǑƥǴƬùǂƤǗƒ ǨƒƥùƑǴƶ!ƒ Ǐǁ Ƶ ƩǇƞ!ƒ ƧŏƺǂǆǍ! ƗǑƑǴƬƳƺ Ɨ!Ǘƥ Ǩƒƙ ƫǍƧƼ ƥǍƞǍ ǅƥƵ Ǐǁ Ƶ

.ƗŏƤƧT!ƒ Ɨŏ!ǴǆT!ƒ ƗǑƥǴǉ!ƒ ǑƼ ƗǆƒƥǂƪǆǍ!ƒ ƗǆǆǇǂǁ!

ǎǍǂƪùǆǁ! ƺǁǉǍ Ü(4.12) (ǅǍǁǉƥ)Ǒǆŏǁƶǂ!ƒ ǎǍǂƪǆǁ! Ǒǁƚ!ƒ ƳǍǆƞǆǁ! ǑǉǴƪƳ ƱƪǍǂǆ Ǐǁ ƵǅƔ

ǎǍǂƪùǆǁ! ƺùǁǉǍ Ü(3.83) (ŏǍǇǴǍ)Ǒǆŏǁƶǂ!ƒ ǎǍǂƪǆǁ! ƺǁǉǍ Ü(3.91) (ǑƪǴƪǅ) Ǒǆŏǁƶǂ!ƒ

Ꝃùʒ⃛ǹĂ (3.71) (Ǵŏ⃛Ƶ ꝂǴʅƒƧƥ) Ǒdžŏ⃛ƶƙ!ƒ ăĂƙʅdž⃛! Ƹ⃛ǹĂ Ü(3.79) (ΣĂŏƧĂ!Ǵǂǹ)Ǒdžŏ⃛ƶƙ!ƒ

ýƥùŏ ƒȒùǋĂ ÜǴŏƑǴƬơƍ Ƚ!ƒƥ Ƨŏƹ Ƚdžŏp ǑǋĂ Ü(0.13) ȽŏƑǴƬơƍ Ƚ!ǕƥǹĂ (1.81) (F)Ƚdžŏp

ꝂƒƥùƑǴƶ!ƒ Ĭù⃛Ƶ Ǒùdžŏ⃛ƶƙ!ƒ ăĂƙʅdž!ƒ Ƨŏʒƙdž! ȽŏƑǴƬơƍ Ƚ!Ǖƥ ꝂƒȒ ƨĂƧ5 ƥĂƞĂ ǅƥƵ Ĭ⃛Ƶ

.ȽŏpƧT!ƒ Ƚŏ!ǴdžT!ƒ ȽŏƥǴǹ!ƒ Ǒ5 Ƚdžƒƥƙʅdž!ƒ Ƚŏdžǉƙ⃛! ȽŏƥǴƬƙpǕƒ

• Ƹù⃛ǹĂ Ü(4.02) (ƧǴǉŏƥ 299-200)lƧʅǕƒ ýƤƥ! Ǒ⃛ǂ!ƒ YĂdžƞdž⃛! ǑǹǴʅơ Ʊʅ Ăƙdž Ĭ⃛Ƶ

ýƤƥù! Ƹù⃛ǹĂ Ü(3.76)(Ƨƛǂƌù5 ƧǴùǉŏƥ 400)Ă (ƧǴùǉŏƥ 399-300) lƧùʅǕƒ ýƤƥ!

ȽŏƑǴƬùơƍ Ƚù!ǕƥǹĂ (4.59)(F) Ƚùdžŏp Ꝃùʒ⃛ǹĂ Ü(3.71) (ýùpƌ5 ƧǴǉŏƥ 199)lƧʅǕƒ

ȽŏƑǴƬùơƍ Ƚù!Ǖƥ ꝂƒȒ ƨĂƧ5 ƥĂƞĂ Ĭ⃛Ƶ ýƥŏ ƒȒǋĂ ÜǴŏƑǴƬơƍ Ƚ!ƒƥ Ƚdžŏp ǑǋĂ Ü(0.004)

Ƚŏ!ǴdžTù!ƒ ȽùŏƥǴǹ!ƒ Ǒ5 Ƚdžƒƥƙʅdž!ƒ Ƚŏdžǉƙ⃛! ȽŏƥǴƬƙpǕƒ ꝂƒƥƑǴƶ!ƒ Ĭ⃛Ƶ ĭƧǌT!ƒ ýƤƥ!ƒ Ƨŏʒƙdž!

ȽŏƥǴƬùƙpǕƒ ꝂƒƥùƑǴƶ!Ǵǹ ƒƧƛƌùƙ ƧùʅǕƒ ýƤƥ! ăĂƙʅdž Ǉƌǹ ǋƑǴƙǉ!ƒ ꝂƧǌƱ ƥpĂ .ȽŏpƧT!ƒ

ǉȒùǋ Ƚùŏơ. ƧǴùǉŏƥ (299-200) ǅǌ! lƧʅǕƒ ýƤƥ ǇŏȒ!ƒ ƧʅǕƒ ǅǋ ȽŏĂdžǉƙ!ƒ ýŏƧǴTdž⃛!

.Ƚdžƒƥƙʅdž!ƒ Ƚŏdžǉƙ!ƒ ꝂǴpĂƶdžǹ ƒƧƛƌƙ ꝂǴƑ5!ƒ Ƨƛǂ Ǒǋ ȽƵĂdžƞdž!ƒ

• ƥƥùƶ! Ƹù⃛ǹĂ Ü(3.89) (5-3) ƥƒƧù5Ǖƒ ƥƥùƶ! Ǒù⃛ǂ!ƒ YĂdžƞdž⃛! ǑǹǴʅơ Ʊʅ Ăƙdž Ĭ⃛Ƶ

Ü(3.72)(2-1)Ƹù⃛ǹ Ă (3.83) (Ƨƛǂƌù5 9) ƥƒƧ5Ǖƒ ƥƥƶ! Ƹ⃛ǹĂ Ü(3.86) (8-6)ƥƒƧ5Ǖƒ

ÜǴŏƑǴƬùơƍ Ƚù!ƒƥ Ƨŏƹ Ƚdžŏp ǑǋĂ Ü(0.67) ȽŏƑǴƬơƍ Ƚ!ǕƥǹĂ (0.51) (F) Ƚdžŏp Ꝃʒ⃛ǹĂ

Ĭù⃛Ƶ lƧùʅǕƒ ƥƒƧ5 ƥƥƵ Ƨŏʒƙdž! ȽŏƑǴƬơƍ Ƚ!Ǖƥ ꝂƒȒ ƨĂƧ5 ƥĂƞĂ ǅƥƵ Ĭ⃛Ƶ ýƥŏ ƒȒǋĂ

.ȽŏpƧT!ƒ Ƚŏ!ǴdžT!ƒ ȽŏƥǴǹ!ƒ Ǒ5 Ƚdžƒƥƙʅdž!ƒ Ƚŏdžǉƙ⃛! ȽŏƥǴƬƙpǕƒ ꝂƒƥƑǴƶ!ƒ

- ƗùŏþǴǁ!ƒ Ŏù5 ƗdžƒþƙƮdž!ƒ ƗŏdžǈƙǁǃƗŏþǴƮƙpŬƒ ƘƒþƑǴƶ!ƒ ăĂƙƮdž ǇǇ ǴưŏǇ ƗƮƒƧþ!ƒ ƘǈŏǁǴdžƗ

ǇŏƮùơƙ YĂƧTdž!ƒ ƽlơŏ Ŏ5 ýƛdžƙ ĭþǴƮƙpƒ þƑǴƵ ƧǁƗǇ ǇǇĂ ySƙƧdž ǇǴƗ ƗŏpƧT!ƒ Ɨŏ!ǴdžT!ƒ

.ýƤþ!ƒ ăĂƙƮdž

- ƘƧǌǓ5 ƗŏpƧT!ƒ Ɨŏ!ǴdžT!ƒ ƗŏþǴǁ!ƒ Ŏ5 ƗdžƒþƙƮdž!ƒ Ɨŏdžǈƙ!ƒ ýŏƶƽƙ! ǃƦƤƙdž!ƒ ýƑǴƮĂǃ! ƗǁƮǈ!Ǵǁ ǴdžǇ

Ɨù!Ădždž!ƒ ƘǴùǌƞ!ƒ ǅĂùlƙ ǇǴƗ ǃƦƤƙdž!ƒ ýƑǴƮĂ!ƒ ǅǊǇ ǇǇĂ ySƙƧdž ǇǴƗ ǴǋƒĂƙƮdž ǇǇ ƗƮƒƧþ!ƒ

.ƗŏĂdžǈƙ!ƒ yŏƧǴTdž!ƒ ƗdžǴpƍĂ ǴǴTǈǗ Ɨdžƨǘ!ƒ Ɨŏ!Ǵdž!ƒ þƧƒĂdž!ƒ Ƨŏ5Ăƙǁ

- Ɨŏ!ǴdžT!ƒ ƗŏþǴǁ!ƒ Ŏ5 ƗdžƒþƙƮdž!ƒ Ɨŏdžǈƙ!ƒ ƽŏlơƙ ƘǌƞƒĂ Ŏƙ!ƒ ƘǴpĂƶdž!ƒ ǇǇ ƗƮƒƧþ!ƒ ƘǈŏǁǴdžŏ5

ĂƶǈǴùƮ ǇǇ ĂùǊ ƗùƮƒƧþ!ƒ ǋƙƧǌǓ Ɨŏdžǈƙǁ! ƽŏƶdž ǅǊǇ ǇǇĂ ySƙƧdž ăĂƙƮdžǁ ǇǴƗ ƗŏpƧT!ƒ

.ƗŏþǴǁ!ƒ ǇǴƗƮ ƘǴƞǴŏƙơǴǁ ƗŏƒƧþ ĬǁƵ ƒĂƮŏ! Ƨƒƨ!ƒ

- lƧŏƺƮ!ƒ yŏƧǴTdž!ƒ ƚŏdžNjǡƅ NJƽŏƧƶƙ Ư Ƨƺƅ ǑƅǴƅT!ƒ YǴƱl!ƒ ƻ þnjƙƪƙ ƚŏƵĂƙ ƠdžƒƧƅ ƧŏƽĂƙ
.ǴnjƙƧƒþƍ ƚŏƽŏǂĂ ǴnjƙƒƨŏdžĂ
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.ƚŏdžǉƙ!ƒ ǊdžƒƧƅ! ƚƮǴP ƚɳǴơ ƭƱǴǉdž!ƒ ƧƛǂƊ LJǡdž ƚŏþǴƅ!ƒ

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[illegible] .(2005) [illegible]
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[illegible] .(2009) [illegible]
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[illegible].

[illegible] .(2006) [illegible]
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[illegible] .(1996) [illegible]
.154 [illegible] 159 [illegible] (117) [illegible]

[illegible] .(2011) [illegible].

[illegible] .(1997) [illegible]
[illegible].

[illegible] .(2007) [illegible]
.1 [illegible] 3 [illegible]

[illegible] .(2005) [illegible]

.[illegible]

(2004) [illegible]

(2010) [illegible]

.2009 [illegible]

[illegible] .(2005) [illegible]

.[illegible]

[illegible] (2005) [illegible]

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[illegible] .(2000) [illegible]

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[illegible] .(2008) [illegible]

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[illegible] .(2006) [illegible]

.[illegible]

. [illegible] .(2009) [illegible]

.[illegible]

[illegible] .(2006) [illegible]

.[illegible]

[illegible] .(2002) [illegible]

. [illegible]

[illegible] .(2002) [illegible]

. [illegible]

[illegible] .(2008) [illegible]

.216 -208 [illegible] 133 [illegible]

[illegible] .(2007) [illegible]

[illegible]

. [illegible]

[illegible] .(2007) [illegible]

. [illegible]

. [illegible]

[illegible] .(2007) [illegible]

. [illegible]

.(2013) [illegible]

[illegible] .(2004) [illegible]

.www.al_nashama.com.

[illegible] .(2004) [illegible]

. [illegible]

.2013 [illegible]

(2013) ǂǒǡƧƬ!ƒ ǂǒ!ǤǆƬ!ƒ ǂǒƥǤƕ!ƒ ǤƒǍǃ! ǂǒƵǤǆƙɳǗƒ ǂǒǆǇƙ!ƒ ǂǒƧǒƥǆ

(2013) ǂǒǡƧƬ!ƒ ǂǒ!ǤǆƬ!ƒ ǂǒƥǤƕ!ƒ ǤƒǍ! ǂơƮ ǂǒƧǒƥǆ

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(2012) ƘƒƧǍƬǇǆ ǗǂǒǤǆƬ!ƒ ǂǒƥǤƕ!ƒ (ǉƥƒƧǫ) ǂǒɳǤǇǗƒ ƨǒƨƶ ƨǂƧǆ

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.ǇǤǆƵ ǗǇƒƧǋǍ Ƨƒƥ

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!ǋøǂƴǁ ǀƑø ƨƐƥƣ .ǂùǒǇƥƧǕƒ ǂǒƥǤƕ!ƒ Ǒ5 Ǒǁơǆ!ƒ ƴǆƙɳǆ!ƒ ǂǒǆǇƙ Ǒ5 ǀƧƛƌǆ!ƒ ǂǒƥǤƮƙƿǗƒǍ

.ǂǒǆǡƧ!ƒ ǂǒƕƧƶ!ƒ ǂƕƙǂǆ!ƒ Ǘ76 Ǐ 69 ƒ Ǘ28 /1 ǛƕǏƳƐƥƦǁ

Ƨƒƥ ǗǄǍǋƧƕ Ǐʅǒ Ƶ ƥǆơǆ ǂǆɳƧƙ ǗƘǏƣƟǂǁǋ ƕǏǄǆǂǁ ƱƑǄǂǁ !ǂƳ .(1998) ƥǒƨǒƥ ǗǇǍʅǒƧǤǋ

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ƕøǏǄǆǂǁǋ Ǐø2ǏƥǁDžƑƯǏǂƨǙǁ ƕǏƺƐƥƩǁ .(2000) ǇǍʅơ ǗƧǍǆʅ Ǎƕ ǗΣƧǤ5 ǏƧƕƮ ǗǑƙǒǋ!ƒ

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.125 ƥƥƶ!ƒ ǗǑƕƧƶ!ƒ Ǆ!Ǥƶ!ƒ ǂǁɳǆ .ƕǏǂǤȿǂƨǄǁ ǀƑǏƐƟǂǁǋ

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ǗƧƑƒƨɳ!ƒ ǗǂǁǒʅǇ!ƒ ǂƶǆǤɳ ǗǑ!Ǎƥ!ƒ Ǐǀǆǆ!ƒ Ǒ5 ǂǂƧǤƬǆ ǂǡƧǍ ǗƕǄǐƐǂƨǄǁ ƕǏǄǆǂǁ ƸǏȿƟǂǋ

.2011 ƧƕǆƸǍǉ 16-15 ǀƧƙ5!ƒ ýǚƤ

المراجع الأجنبية

1) Balezentis, A. (2011). The Evolution and Models of Rural Areas: A Sustainable Development Approach. Management Theory and studies for Rural Business and Infrastructure Development, 26 (2), 31- 35.
2) Brodzinska, K. (2007). Support for the Actions Towards Sustainable Development of Rural Areas vrder the Common Agricultural Policy – The Polish Experiences. Economic Sciences for Rural Development Conference Proceedings. 14: 102 – 107.
3) Emelyanora, L. (2011). Importance of Environmental Education and Environmental Awarness as the Factors for Sustainable Development of Agricultural Business and Management of Rural Areas. Management theory and Studies for Rural Business and Infrastructure Development, 25 (1); 113- 116.
4) Perlla, G.; Gall, A.; Marcheggian, E. (2010). The Potential of Ecomuseums in Strategies for local Sustainable Development in Rural Arcas, Landscape Research, 35 (4): 431 – 4447.
5) Szymanska, D.; Chodkowska, J. (2011). Endogenous Resources Vtilization of Rural Areas in Shaping Sustainable Development in Poland. Renewable and Sustainable Energy Reviews, 15 (3), 1497 – 1501.
6) Woitenko, T. (2008). Sustainable Retail Development : A Case Study of Mountain Equipment Co- op, Master of City Planing.

:ƕŭǆǋƥƗǀǁŰƐ Ʊƽ ƐǋǰǄǁƐ

http//www.alraieeter.com

http//www.badiafund.gov.jo

http://www.queenrania.jo/ar/community-empowerment/sustainable-development

http://www.badiafund.gov.jo

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(1) [illegible]

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1. ƩǆǊǃ .Ɖ ƻǂǊ .Ƣ ǂǽǀǆ .ƙ

2. ƞǅǃǛǆ :ƸǄǃǇǔƷǇǃ .Ɖ ƞǅǃǛǆ .Ƣ ǀǚǃǊ .ƙ ƩǅǂǆǃǇǔ .ƽ ǀǃǇǈǀǃǊǆǔ .ǛǋǇ

3. ǆǃǇǈǄ :ǆǇǈǄ .Ɖ ǆǃǇǈǄ .Ƣ ǂǕǇǆ .ƙ ǆǃǇǈǄ .ƽ

4. ǆǃǇ :ǄǃǇ ǆǃǇǈǄ .Ɖ ǆǃǇǈǄ .Ƣ ǆǃǇǈǄ ǆǃ ǆǃǇǈǄ .ƙ

5. ƽƽƾ ƽǆǇǈǄ: .Ɖ 2-1 .Ƣ 5-3 .ƙ 8-6 .ƽ 9 ǆǃǇǈǄ

6. ǀǀǃǇǈ ǀǆǇǈǄ ǆǃ ǀǆǃǈǇǈǄ: (   )

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8. ǀǚǃǊ ǆǃǇǈǄ ǆǃǇ ǀǆǇ ǆǇǈǄ ǀǆǃǈǇǈǄ: .Ɖ ǆǃǇǈ .Ƣ Ǖ

9. ǀǚ ǀǆǃǇ ǆǃǇǈǄ ǀǆǃ ǆǃǇ ǆǃǇǈǄ ǀǆǇǈǄ: .Ɖ ǆǃǇǈǄ .Ƣ ǆǃǇǈǄ ǆǃǇǈǄ .ƙ ǆǃǇǈǄ ǀǆǃ
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10. ǀǚ ǀǆǃǇ ǆǃǇ ǀǆ ǆǃǇǈ ǀǆǃǈǇǈǄ ǆǃǇ ǆǃǇǈǄ: .Ɖ ǆǃǇǈ .Ƣ Ǖ

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11. ǀǆǃ ǀǆǃǈǇǈǄ: .Ɖ ǆǃǇǈ .Ƣ ǆǃǇǈǄ .ƙ ǆǃǇǈ ǆǃǇ ....

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ÞƗŏþƧT!ƒ Ɨŏ!ǴďžT!ƒ ƗŏƥǴŀ!ƒ Ŏ5 ƗďžƒƥƙƪďžǃƒƗŏďžǉƙ!ƒ Ĭ!ǫ ƘƶƼƥ Ŏƙ!ƒ ƘǴŏƥƠƙ!ƒ ǄǊǅ ŎǊ ǴďžǁŏǄƧŀ:1 Σ

ÞƗŏþƧT!ƒ Ɨŏ!ǴďžT!ƒ ƗŏƥǴŀ!ƒ Ŏ5 ƗďžƒƥƙƪďžǃƒƗŏďžǉƙ!ƒ ýŏƶƽƙ! ƖƤƙďž!ƒ ýƑǴƪĂ!ƒ ǄǊǅ ŎǊ Ǵďž :2 Σ

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ÞƗŏþƧT!ƒ Ɨŏ!ǴďžT!ƒ ƗŏƥǴŀ!Ǵŀ ƗďžƒƥƙƪďžǃƒƗŏďžǉƙ!ƒ ƘƒƥƑǴƵ ǄǊǅ ŎǊ Ǵďž ǁŏǄƧŀ :4 Σ

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Ǐ Ǎǉǡ .Ɣ ☐ Ƨǂƥ .ǅ ☐ Σ Ǉŋ!ƒ .1

ǴǒǁƵ ƘǴƪƒƧƥ .ùǸ ☐ Σ ǍǒƧǍ!Ǵǂƕ .ƥ ☐ ǟǍǁƕƥ .Ɯ ☐ ǐ ǍǇǴǻ .Ɣ ☐ Ǒ ƪǴƪǅ .ǅ :ǑǟǒǁƶƘ!ƒ ǎǍƘƪǟ!ƒ .2

ƴǟƧǅ .ƥ ☐ ƫǁƱǟ .Ɯ ☐ ƜǍƨƘǟ .Ɣ ☐ Ɣ ƨƵǅ .ǅ :ƗǒƵǴǟƘŋǗƒ Ɨ!Ǵơ!ƒ .3

Ɨǂ ǟƑǴƶ!ƒ ƴǟ ǁ ƧƘƬǟ .Ɯ ☐ Ƨŋǆƪǟ .Ɣ ☐ ǁ ǁǟ .ǅ :ǇǂƪƒƗǒǂǁǟ ƳǍǇ .4

Ƨƛǂǆ 9 .ƥ ☐ 8-6 .Ɯ ☐ 5-3 .Ɣ ☐ 2-1 .ǅ :ǀƧƪǕƒ ƥƒƧǅ ƥƥƵ .5

Ƨƛǂǆ ƧǴǇǒƥ 400.ƥ ☐ 399-300 .Ɯ ☐ 299-200 .Ɣ ☐ 199 .ǅ :ƳǍƧƬǟ!ƒ ǇǇǟ ǐ ƧǹƬ!ƒ ƴƤƥ!ƒ .6

Ǘ .Ɣ ☐ ǟƶǇ .ǅ :ƳǍƧƬǟ!ƒ Ƨǒƹ ǎƧƤǅ ƴƤƥ ƧƥǴƮǟ ǁǴǇǸ ǴǸ .7 ☐

ƒ ǴƤ ƴǟƵ .Ɯ ☐ ƗǒǇƱǍ ƗǇǍƶǟ .Ɣ ☐ ǑǟǍǂơ .ǅ :ƴƤƥ!ƒ ƧƥǴƮǟ ƥǒƥơƘ ǏŋƧǒ ǟƶǇƕ ƗƕǴŋǗƒ Ɨ!Ǵơ Ǒƽ .8 ☐
ǁ !ƥ Ƨǒƹ.ƥ ☐

Ǘ .Ɣ ☐ ǟƶǇ .ǅ : ǁƘƧƪǕ Ǒƽǂǒ ƳǍƧƬǟ!ƒ ƴƤƥ ƴǸ ǘƕ ƗƕǴŋǗƒ Ɨ!Ǵơ Ǒƽ .9 ☐

Ƨ ǹǂ!ƒ Ƨǒƥ ǴǴưƿ .Ɣ ☐ Ɨǒơ!ǴƮ!ƒ ǴǴưƿ .ǅ :Ǹƕ ƴǟƶƘ ǐ ƥ!ƒ ƳǍƧƬǟ!ƒ Ǹƕ ƥŋǍǒ ǐ ƥ!ƒ ǴƒǍǁ!ƒ Ǎǅ ǴǴư!ǀ ǟƪƒ .10 ☐

.... ƥƥơ ☐ ǎƧƤǅ .Ɯ ☐ ǑǟƪǍǟ .Ɣ ☐ ǟƑƒƥ .ǅ :ƳǍƧƬǟ!ƒ ƗƽƮ .11

ƒƥŋ ƥǒƶƕ .Ɯ ☐ ǟ ǴƵǍǇ ƥǒƶƕ .Ɣ ☐ Ɣ ǒƧƿ .ǅ :ǇǂƪǕ! ƗƕƪǇ!Ǵƕ ƳǍƧƬǟ!ƒ ƴƿǍǟ .12 ☐

ƒ þƑyĎǏ ɣqʅǴ	ƒ þƑyĎǏ	qǐƑƟĎǏ	5ǯƐNjĎǏ	5ǯƐNjĎǏ ɣqʅǴ	ɣþʂƺǁɛ	!5þǁɛ
ŀŏpƧƬ!ƒ ŀŏ!ǴdžƬ!ƒ ŀŏþǴƅ!ƒ Ŏ5 ŀdžƒþƙʅdž!ƒ ŀŏdžǈjƙ!ƒ Ĭ!ǫ Ʀƶ5þ Ŏƙ!ƒ ƘǴŏþơƙ!ƒ :ǴǬǈǴʎ						
:ǇJdž ŀŏþǴƅ!ƒ ǇǴǂʅ Ŏǈǵƶŏ						
					Ƨl5!ƒ ŀƅʅǈj ƳǴ5ƙƧƒ	1
					Džŏǁƶƙ!ƒ ăĂƙʅdž Ŏǈjþƙ	2
					ýdžƶ!ƒ ƒ Ƨ5 ŀŏþĂþơdž	3
					ŀŏƶŏƅƱ!ƒ þƧƒĂdž!ƒ ŀŏþĂþơdž	4
					ŀŏʅǴʅŰƒ ƘǴdžþƤ!ƒ ŀǁþ	5
					ŀ!ǴƱƅ!ƒ ŎƬ5ƙ	6
					ǇJþdž!ƒ Ŏ5 ƘǴdžþƤ!ƒ ŀŏƨǂƧdž	7
					ŀŏƞǴƙǰŰƒ yŏƧǴƬdž!ƒ ŀŏþĂþơdž	8
					ŀŏþǴƮƙþŬƒ ƘǴƱǴƬǈj!ƒ ŀƅĂƶƮ	9
					ŀŏʅǴʅŰƒ ƘǴƞǴŏƙơŬƒ Ƨŏ5Ăƙ! ǊƙŏǴ5ǂ Džþ ƵĂ ýƤþ!ƒ ăĂƙʅdž Ŏǈjþƙ lƧʅű!	10
					ŎơƮ!ƒ ăĂƙʅdž!ƒ Ŏǈjþƙ	11
					ŀƶʅƒĂ ŀŏƵǴdžƙƞƒ ƆƒƧƬ Ʃŏ!Ă þƒƧ5Ɗ yŏƧǴƬdž!ƒ ǇJdž ǇJŏþŏ5ƙʅdž!ƒ	12

ƒ þƑyĎǏ ɣqʅǴ	ƒ þƑyĎǏ	qǐƑƟĎǏ	5ǯƐNjĎǏ	5ǯƐNjĎǏ ɣqʅǴ	ɣþʂƺǁɛ	!5þǁɛ
.ŀŏpƧƬ!ƒ ŀŏ!ǴdžƬ!ƒ ŀŏþǴƅ!ǴƅŀdžƒþƙʅdžƑ ŀŏdžǈjƙ!ƒ ƘƒþƑǴƵ :ǴʎǴʎ						
ƅǐƟƬ lƐqǝƳ						
					ŀŏơƮ!ƒ ƘǴdžþƤ!Ǵƅ ŀŏdžǈjƙ!ƒ ǸdžƒƧƅ Ŏ5 ǇJŏǁdžǴƶ!ƒ ŀŏ!ĂdžƬ	1
					ǇǴǂʅǁ! ŀŏơƮ!ƒ ƘǴdžþƤ!ƒ ýǴƮŏǫ Ŏ5 ŀŏĂdžǈjƙ!ƒ yŏƧǴƬdž!ƒ ƘdžnjʅƊ Ǵnjŏ5 ŀdžƑǴl!ƒ ƭƱǴǈjdž!ƒ Ŏ5	2
					ŎơƮ!ƒ ƻŏlʎƙ!ƒ ýűƤ ǇJdž ŎơƮ!ƒ ŎƵĂ!ƒ lþǴŏƨ	3
					Ƨ5Ăƙ Ƴƅʅƅ ýdžƶ!ƒ Ŏ5 ŀƅǴƮŰƒ ƧǴƱƤŰ ǇJŏǁdžǴƶ!ƒ ƱƧƶƙ ŀǁþ ŀdžǴƶ!ƒ ŀdžűʅ!ƒ ƘǴdžƨǁƙʅdž	4
					ŀdžűʅ!ƒĂ ŀơƮǁ! ƘƒƧĂþ þlƶƅ yŏƧǴƬdžǁ! lƦ5ǈjdž!ƒ ŀƑŏnj!ƒ Džƙnjƙ ŀŏǈjnjdž!ƒ	5
					ŀƅʅǴǈjdž ŀŏơƮ ƘǴdžþƤ ǇJŏǁdžǴƶ!ƒ ƧʅƊ Ĭlǁƙƙ	6
					yŏƧǴƬdž!ƒ Ŏ5 ǇJŏǁdžǴƶǁ! ŀŏ!ĂŰƒ ƘǴ5Ǵƶʅ Ŭƒ ƘǴdžþƤ Ƨ5Ăƙƙ	7

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					yŏSǀTdž!ƒ Ĭ!ƍĂ Ǉdž Ǉŏǁdžǀƶ!ƒ ýǀǉ! ýƑǀʅĂ Sŏ5Ăƙ	13
					yŏSǀTdž!ƒ ǀSƒþƍ Ŏ5 ŧʎŏþơ!ƒ ǀŏɳĂ!Ăǉŧƙ!ƒ Ǉdž ǀþǀ5ƙʅŬƒ	14

ǁŏSǀT!ƒ ŧŏ!ǀdžT!ƒ ŧŏþǀh!ǀh ŧdžƒþƙʅdž!ƒ ŧŏdžǉƙ!ƒ ƘǀþĂƶdžh ƾǁƶƙƙ ƘǀǉǀŏŊ :ǁʅdžǀP						
ƒ þƑyǅž ɣʠʅǀ	ƒ þƑyǅž	ʠǏƑƟǅž	ƼʒƐǋǆž	ƼʒƐǋǆž ɣʠʅǀ	ɣþƨƻǁƐ	!ƽþǁƐ
					ŧŏ5ǀŧ Sŏʓ ƘǀǉǀŧdžŬƒĂ þSƒĂdž!ƒ	1
					YĂSTdž!ƒ Ŏ5 ýdžƶǁ! ŧdžƨű!ƒ ŧŏSTh!ƒ ƘƒǀƼŧ!ƒ ƒ ǁǉ	2
					ƘǀɳƙǉdžƒƒƾŏĂʅƙh ƱhƙSƙ Ƙűŧdž ǁǀǉǋ	3
					ŧŏʅǀʅŬƒ ƘǀɳǀŏƙơŬƒ ŧ5ǀŧ ŧŏhǁƙ! Ŏ5ŧƙ Ŭ yŏSǀTdžǁ! ŧŏ!ǀdž!ƒ þƑƒĂƶ!ƒ	4
					YĂSTdž!ǀh ŧŏơʅ!ƒ ƘǀdžþP!ƒ Ƨƶư	5
					ŧŏ5ǀŧ Sŏʓ YĂSTdžǁ! ŧ5ǁƙPdž!ƒ ýǀǉ!ƒ ýƑǀʅĂ	6
					ǀSŏʓƙdž!ƒ ǇŏĂɑʅdž!ƒ ƘƒSƒSǀh ǀƦ5ǉdž!ƒ yŏSǀTdž!ƒ Sʎdžƙ	7
					yŏSǀTdž!ƒ ƘǀdžþP Ǉdž ǀþǀ5ƙʅŬƒ Ǉdž ǇǀŏơŬƒ Ưƶh Ŏ5 ýĂơƙ ŧŏǁơdž!ƒ ŧ5ǀǀʎ!ƒ ŧŏĂdžǉƙ!ƒ	8
					YĂSTdžǁ! ŧdžƵƒþ!ƒ Ƙǀʅʅɑdž!ƒ ýhp Ǉdž ŧŏĂdžǉƙ!ƒ ŧŏƵĂƙ!ƒ Ɲdžƒ5h Ƨƶư	9
					ƾhʅdž ýŧTh ǇŏǁdžǀƵ!ƒ ýŏǋƙĂ ƔŏSþƙ ǅþƵ	10
					ƘǀdžþP!ƒ ƾƱǀǉdž ǇƵ ŧŏþǀh!ƒ ŧ!Ʊǉdž þƶh	11
					ŧŏdžǉƙ!ǀh ŧǁǁƶƙdž!ƒ ƘƒSƒS!ƒ ŧƵǀǉƮĂ ƦǀPƙƒ Ŏ5 ŧŏǁơdž!ƒ ŧŧSǀTdž!ƒ Ƨƶư	12
					ŧŏþǀh!ƒ Ǉǀŧʅ ƘǀɳǀŏƙơǀhŧŏƒSþ ĬǁƵ ƒĂʅŏ! SƒS!ƒ ƒĂǉǀƮ	13
					ŧŏþǀh!ƒ Ǉǀŧʅ ýhp Ǉdž ǀǌŏ5 ƔĂʓSdž Sŏʓ ŧŏĂdžǉƙ yŏSǀTdž ŧdžǀþƍ	14
					ŧŏĂdžǉƙ!ƒ yŏSǀTdž!ƒ SǀŏƙPƒ þǉƵ Ŏdžǁƶ!ƒ ƔĂǁʅŬƒ Ĭ!ƒ Sǀǀƙ5Ŭƒ	15

ÞŦŏþƧT!ƒ Ŧŏ!ĜdžT!ƒ ŦŏþĜƕ!ƒ Ŏ5 Ŧdžƒþƙƪdž!ƒ Ŧŏdžǉƙ!ƒ Ĭ!ƍ Ƙƶ5þ Ŏƙ!ƒ ƘĜŏþơƙ!ƒ ǅǈǋ Ŏǌ Ĝdž ǁŏǅƧƕ:1 Σ

ÞŦŏþƧT!ƒ Ŧŏ!ĜdžT!ƒ ŦŏþĜƕ!ƒ Ŏ5 Ŧdžƒþƙƪdž!ƒ Ŧŏdžǉƙ!ƒ ýŏƶ5ƙ! ƖƤƙdž!ƒ ýƑĜƪĂ!ƒ ǅǈǋ Ŏǌ Ĝdž :2 Σ

ÞŦŏþƧT!ƒ Ŧŏ!ĜdžT!ƒ ŦŏþĜƕ!Ĝƕ Ŧdžƒþƙƪdž!ƒ Ŧŏdžǉƙ!ƒ ƘĜþĂƶdž ǅǈǋ Ŏǌ Ĝdž ǁŏǅƧƕ :3 Σ

ÞŦŏþƧT!ƒ Ŧŏ!ĜdžT!ƒ ŦŏþĜƕ!Ĝƕ Ŧdžƒþƙƪdž!ƒ Ŧŏdžǉƙ!ƒ ƘƒþƑĜƵ ǅǈǋ Ŏǌ Ĝdž ǁŏǅƧƕ :4 Σ

(4) !5þ 5Ɵ‡ǅ

-1- ǆDŽNJDž üǏNJƨƗ ƒƑǀ

بسم الله الرحمن الرحيم

جامعة اليرموك
YARMOUK UNIVERSITY

كلية الآداب
مكتب العميد

الرقم: (ك أ/١٢/)١٠٧/
التاريخ: ٢٢/جمادي الأولى/١٤٣٤ هـ
الموافق: ٢٠١٣/٤/٣ م

إلى من يهمـــــه الأمر

أرجو العلم بأن الطالب **عبد الله مقبل الشرفات** ورقمه الجامعي(٢٠٠٩٧٧٠٠٠٨) يعد أطروحة الماجستير بعنــوان:

التنمية المستدامة في البادية الأردنية

راجيا التكرم بتسهيل مهمته للحصول على ما يلزم من بيانات ومعلومات.

عميد كلية الآداب

أ.د محمد خالد العجلوني

تلفون: ٩٦٢-٢-٧٢١١١١١ فاكس: ٩٦٢-٢-٧٢١١١٣٧ اربد- الأردن
Tel:962-2-7211111 Fax: 962-2-7211137 Irbid-Jordan Email:fac-edu@yu.edu.jo http://www.yu.edu.jo

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بسم الله الرحمن الرحيم

The Higher Council for Science and Technology
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قيادة سلاح الجو الملكي الأردني المحترمين
شعبة الأمن العسكري

الموضوع: تصريح دخول

تحية واحتراماً، وبعد،

أرجو التكرم بالعلم أن الطالب عبدالله سهيل هريس الشرفات طالب ماجستير من جامعة اليرموك سيقوم بزيارة لمحطة الصفاوي الميدانية للإقامة والمبيت وذلك خلال الفترة 4/28 -2013/5/2 للاطلاع على الدراسات والمشاريع الموجودة في مكتبة محطة الصفاوي الميدانية.

*علماً بأن وسيلة النقل هي تويوتا دبل كابين تحمل لوحة رقم 24022 - 38

أرجو التكرم بالإيعاز لمن يلزم تسهيل دخوله إلى برنامج بحوث البادية داخل منطقة إسكان قاعدة الأمير حسن الجوية.

وتفضلوا بقبول فائق الاحترام،،

الدكتور عودة المسحان

القائم بأعمال مدير برنامج بحوث البادية

نسخة:

- المسؤول الاداري / الصفاوي
- الملف المركزي

ص.ب. 902 الجبيهة – عمان 11941 الأردن – تلفون: (5335280/4) 6 962 – فاكس: (5355680) 6 962
الموقع الالكتروني: www.ncrd.gov.jo البريد الالكتروني: info@ncrd.gov.jo

Abstract

Al- Shurfatt Abdullah Meqbl. Sustainable Development at Jordan Badia: a study Applied to the Badia Region in North-east of the Hashemite Kingdom of Jordan. Master Thesis. Yarmouk University. 2013. (Supervisor: Prof. Fahmi Al-Ghazwi).

The purpose of this study is to investigate the challenges that led to sustainable development in the north-east Badia region as well as exploring the obstacles as well as the procedures used to activate it and its potential benefits.

The sample of the study consisted of (200) owners of developmental projects in the north-east Badia and (10) sponsors of those projects. The findings showed that the most important challenges led to sustainable development are the high rates of poverty, centrality of services in cities and the high rates of unemployment.

Moreover, the most important benefits of the sustainable development are the increase in health awareness through health education and enhancing the income of the region. The most important means to activate sustainable development are providing the needed financial resources to establish developmental projects as well as conducting economical studies. Meanwhile, the obstacles are represented in the lack of knowing the real needs of the Badia by decision makers, the effect of responsible people decisions on sustainable development and the weakness in local participation in making decisions related to development.